

TOWN OF ARLINGTON

ARLINGTON RENOVATIONS TO EXISTING BUILDINGS

ARLINGTON, MASSACHUSETTS

CONSTRUCTION DOCUMNENTS

DRAWING LIST

- A000COVER SHEET
- D100DEMOLITION PLANS AND ELEVATIONS
- A100BATHHOUSE PLAN
- A101BATHHOUSE ROOF PLAN AND RCP
- A102FILTRATION BUILDING ROOF PLAN AND ELEVATIONS
- A103FILTRATION BUILDING SECTIONS
- A102BATHHOUSE ELEVATIONS
- A202INTERIOR ELEVATIONS
- A301SECTION
- A302DETAILS
- A303DOOR AND FINISH SCHEDULES
- PD100BATHHOUSE PLUMBING DEMO PLAN
- P100BATHHOUSE PLUMBING PLAN
- P200BATHHOUSE PLUMBING SCHEDULES AND DETAILS
- P300PLUMBING SPECIFICATIONS
- H100BATHHOUSE HVAC PLAN
- E000BATHHOUSE ELECTRICAL LEGEND DETAILS AND NOTES
- E100BATHHOUSE ELECTRICAL PLAN DEMO AND NEW WORK
- E200BATHHOUSE ELECTRICAL SPECIFICATIONS

PREPARED BY:

LANDSCAPE ARCHITECT:

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CIVIL ENGINEER:

Woodard & Curran, Inc.
980 Washington Street #325, Dedham, MA 02026
800-446-5518 Tel

ENVIRONMENTAL CONSULTING:

SWCA Environmental Consultants
15 Research Drive, Amherst, MA 01002
413-575-9883
Tel



LOCATION MAP
Lowell Street/Arlington Reservoir
Arlington, MA

ARLINGTON
RENOVATIONS TO
EXISTING
BUILDINGS
ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON

NO.	REVISION	DATE
<div><div>kzla</div><div>Kyle Zick Landscape Architecture, Inc. 36 Bromfield Street Suite 202 Boston, MA 02108</div><div>617 451-1018 Tel www.kylezick.com</div></div>		

<div>ARCHITECT</div> <div>bh+a</div> <div>Bargmann Hendrie + Archetype, Inc. 9 Channel Center Street Boston, MA 02210 617 350-0450 Tel</div>
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CONSTRUCTION DOCUMENTS

Job Number:	
Project: ARLINGTON RES.	
Drawn By: BH + A	Checked By: KZ
Date: NOVEMBER 10, 2020	
Scale: N/A	
Drawing Title:	

COVER SHEET

A000

ARLINGTON, MASSACHUSETTS



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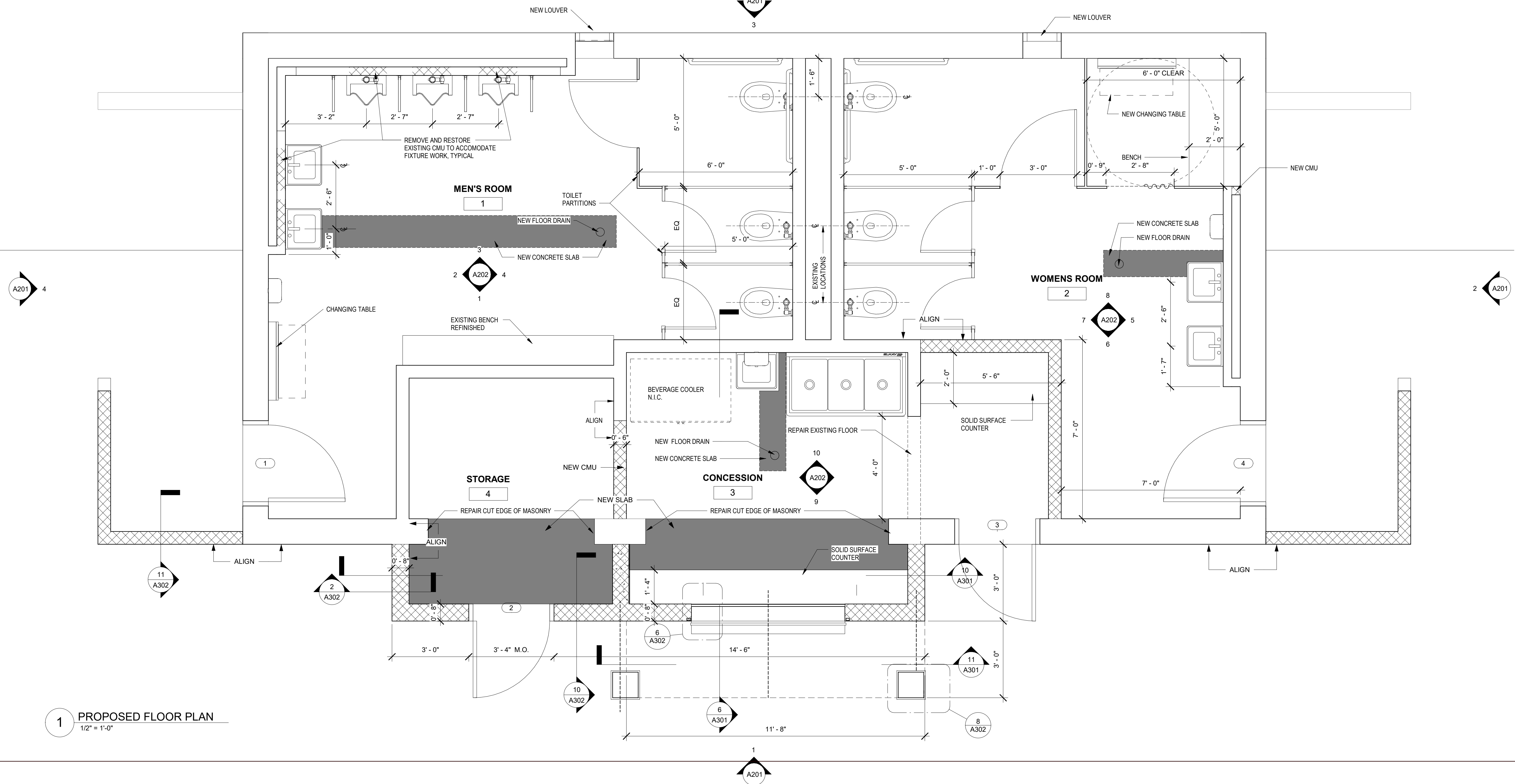
bh+a

CONSTRUCTION DOCUMENTS

Demolition plans and Elevations

D100

ARLINGTON, MASSACHUSETTS



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367	368	369

ARCHITECT

Gender	Percentage
Men	10%
Women	15%

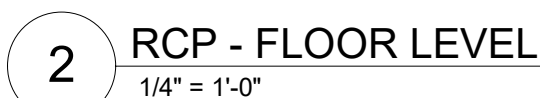
INTRODUCTION

Project: ARLINGTON RES.

Drawn By: BHT/A	Checked By: RE
Date: NOVEMBER 12, 2003	

Scale: As indicated

ARLINGTON, MASSACHUSETTS



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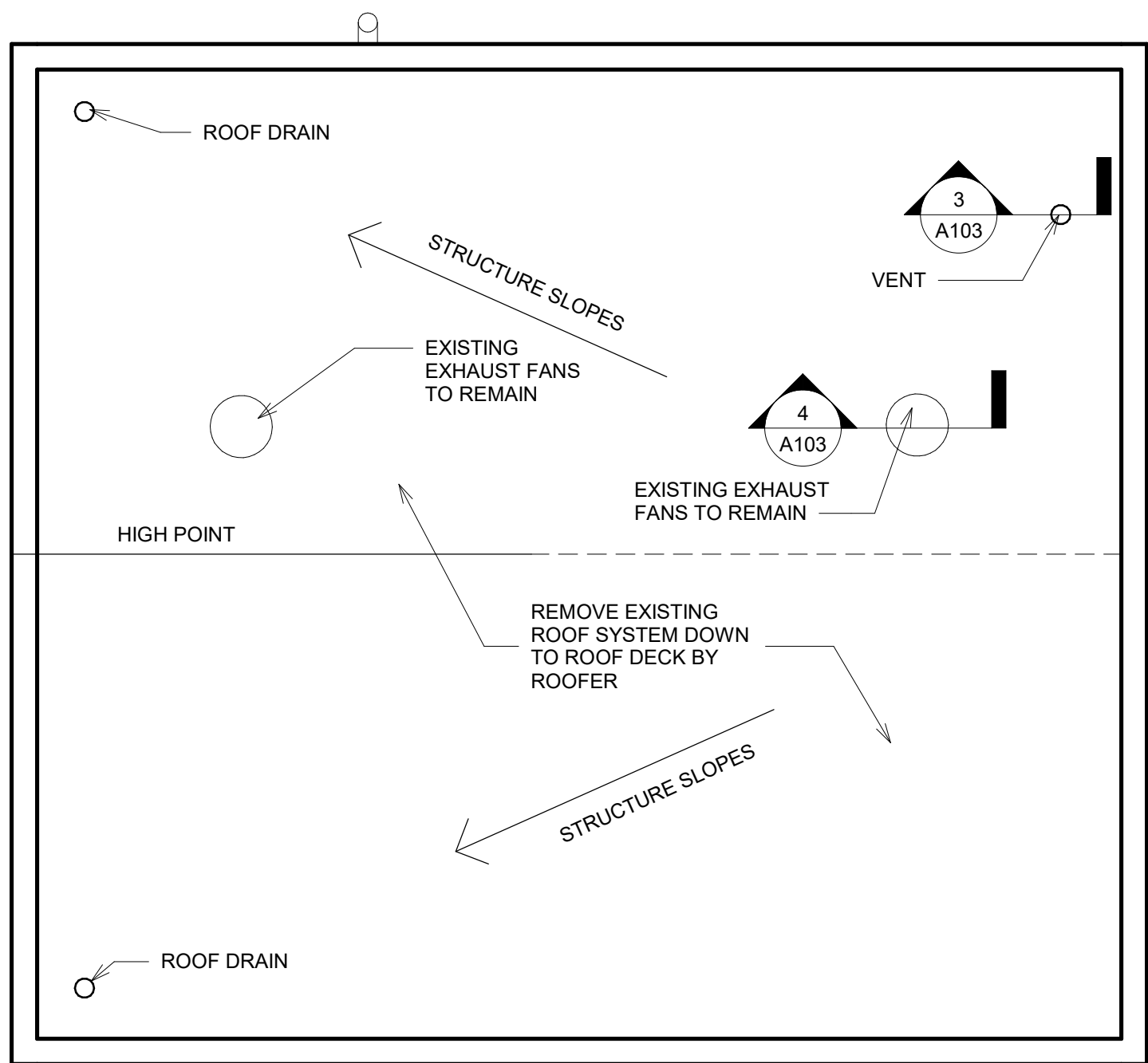
Bargmann Hendrie + Archetype, Inc.
9 Channel Center Street
Boston, MA 02210
617 350-0450 Tel

Project: ARLINGTON RES.

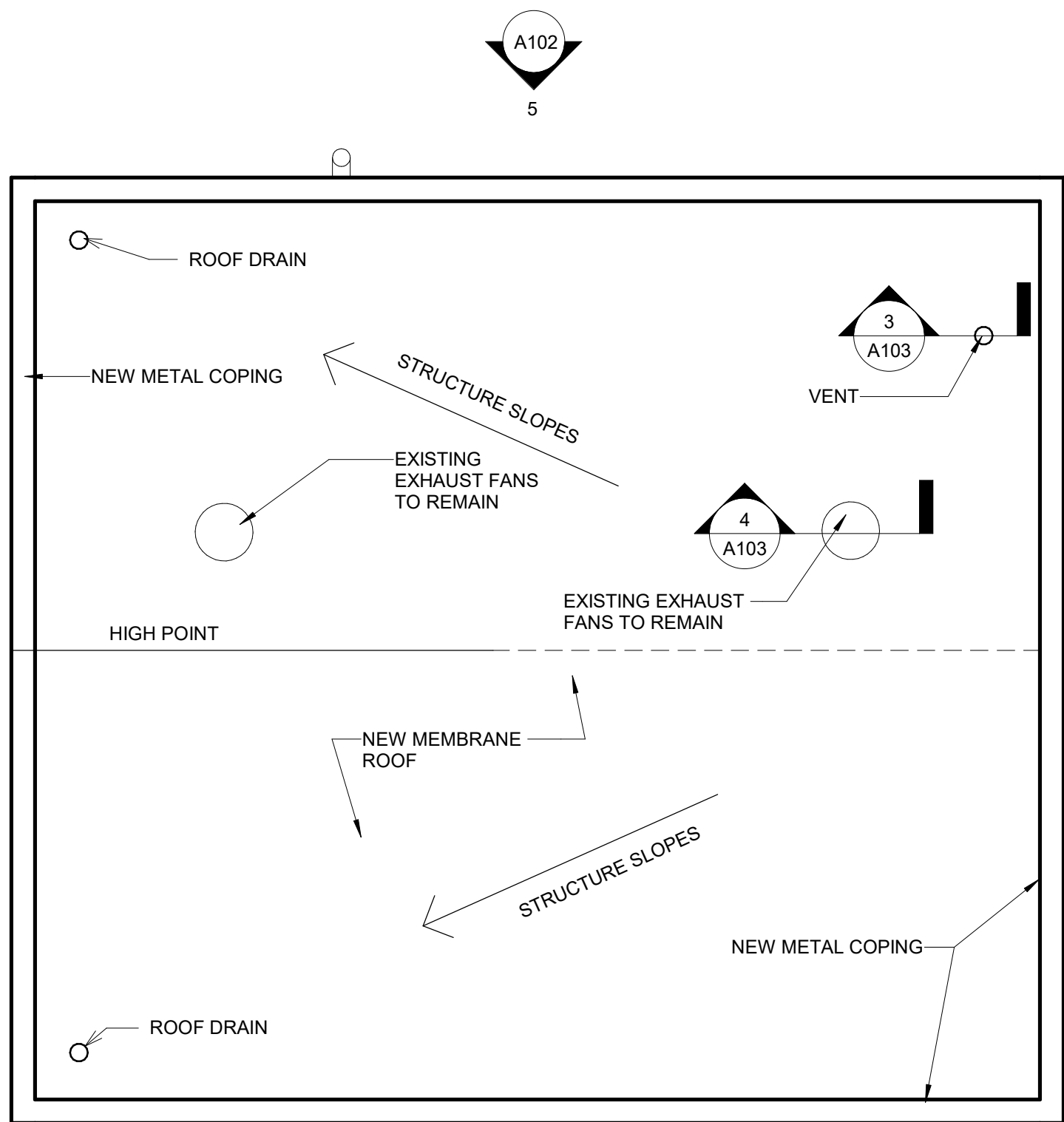
Date: NOVEMBER 10, 2020

Scale: $1/4" = 1'-0"$

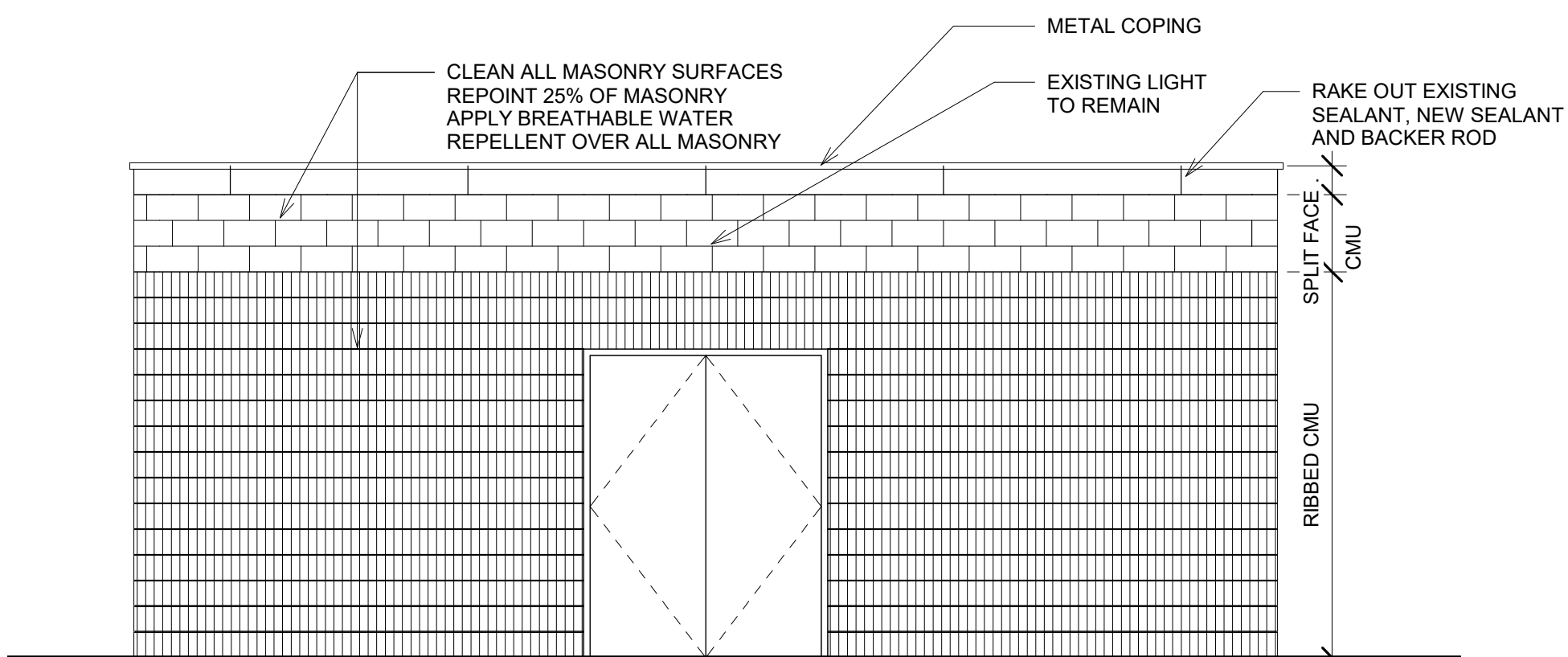
A101



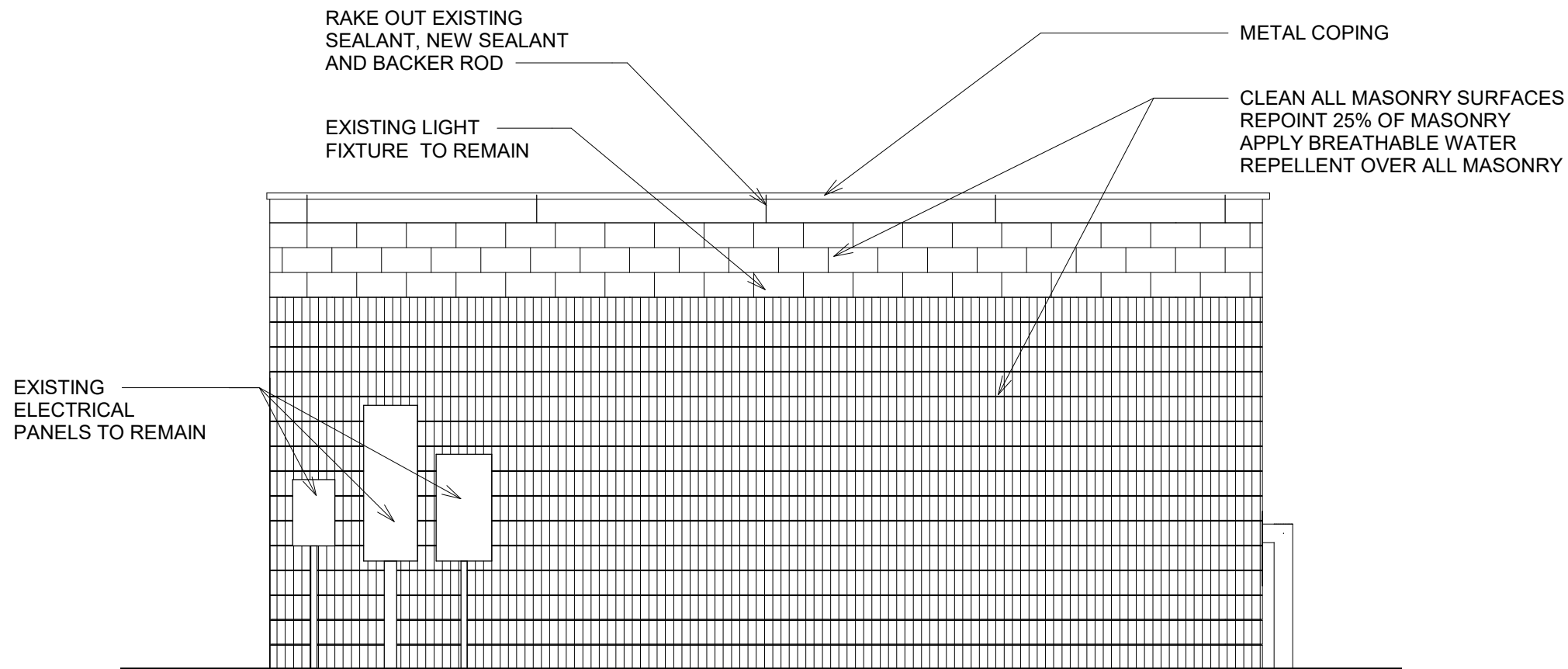
1 ROOF DEMOLITION PLAN
1/4" = 1'-0"



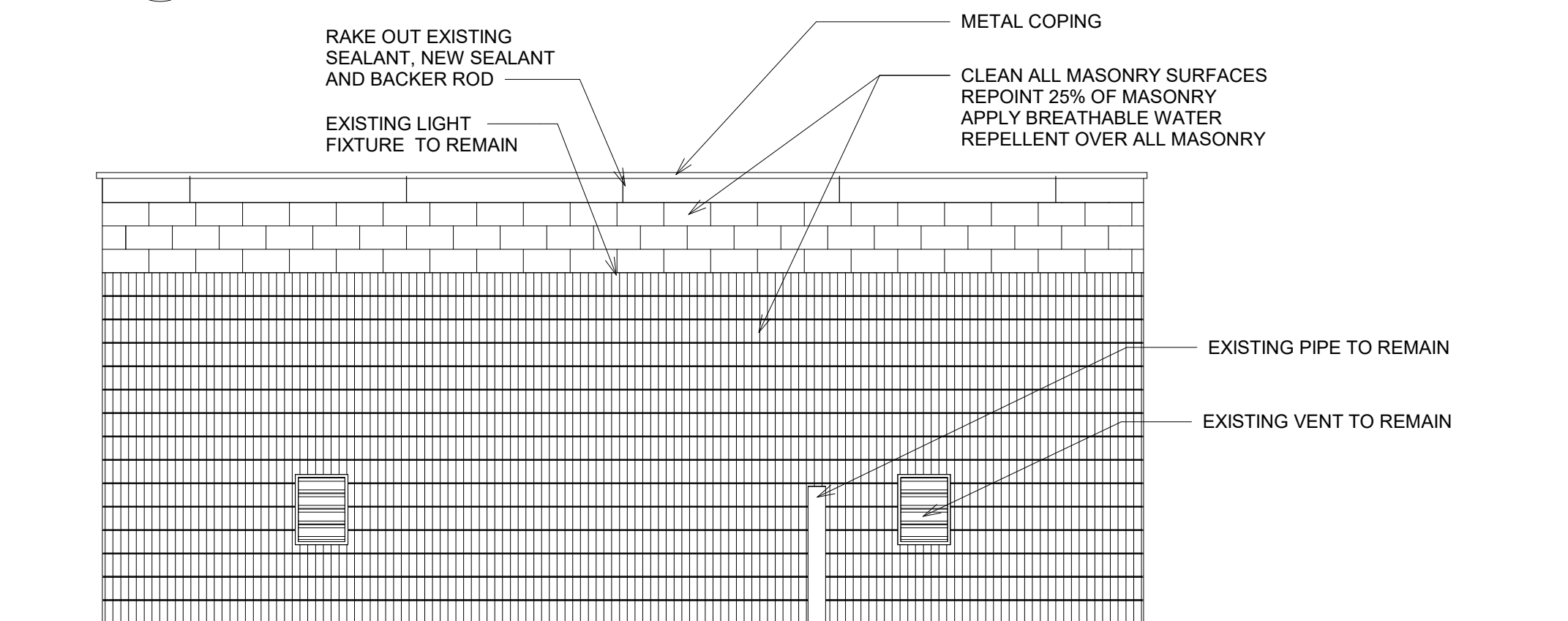
2 ROOF PLAN
1/4" = 1'-0"



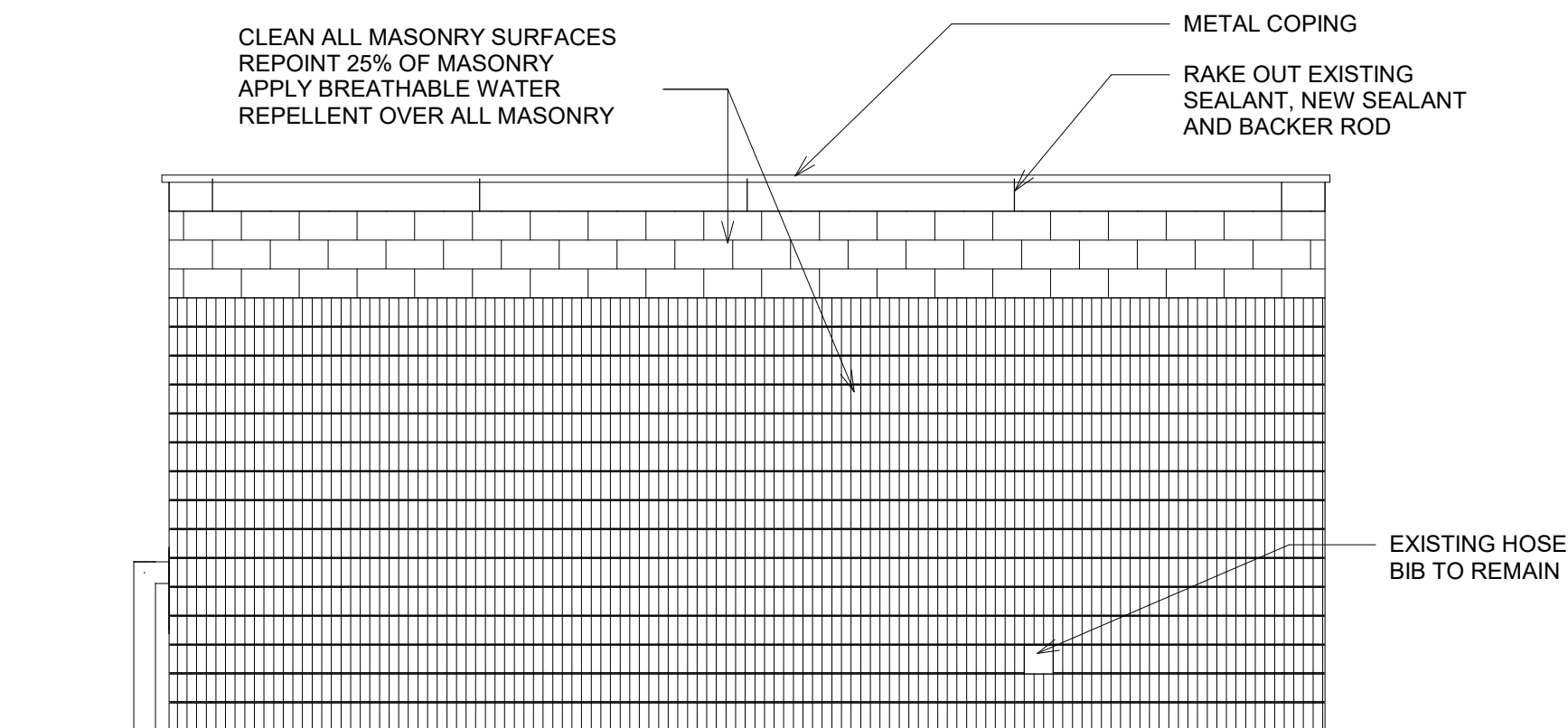
3 EXISTING EAST ELEVATION
1/4" = 1'-0"



4 EXISTING NORTH ELEVATION
1/4" = 1'-0"



5 EXISTING WEST ELEVATION
1/4" = 1'-0"



6 EXISTING SOUTH ELEVATION
1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

Job Number:
Project: ARLINGTON RES.
Drawn By: BH + A Checked By: KZ
Date: NOVEMBER 10, 2020
Scale: 1/4" = 1'-0"

Drawing Title:

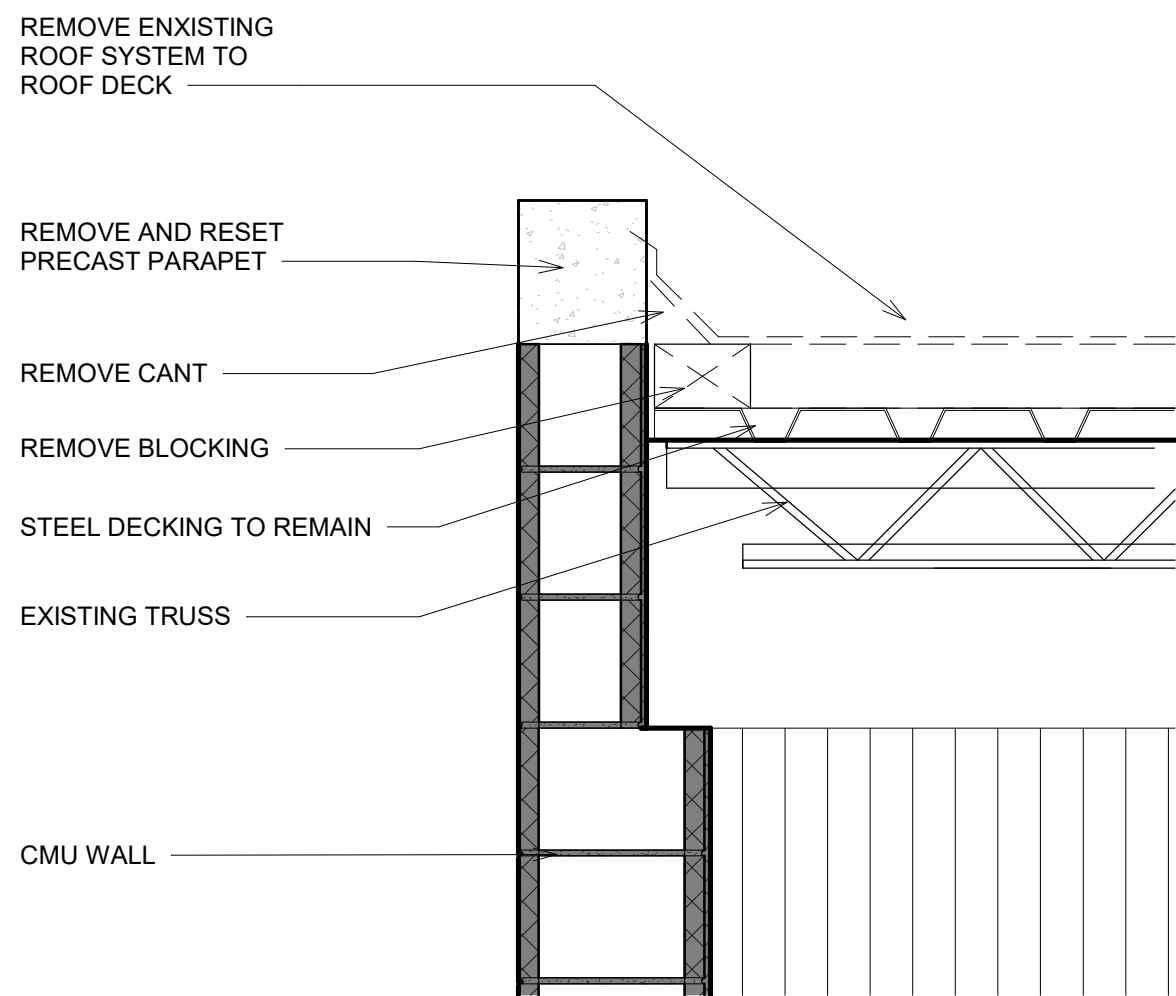
Filtration Building Roof Plan
and Elevations

A102

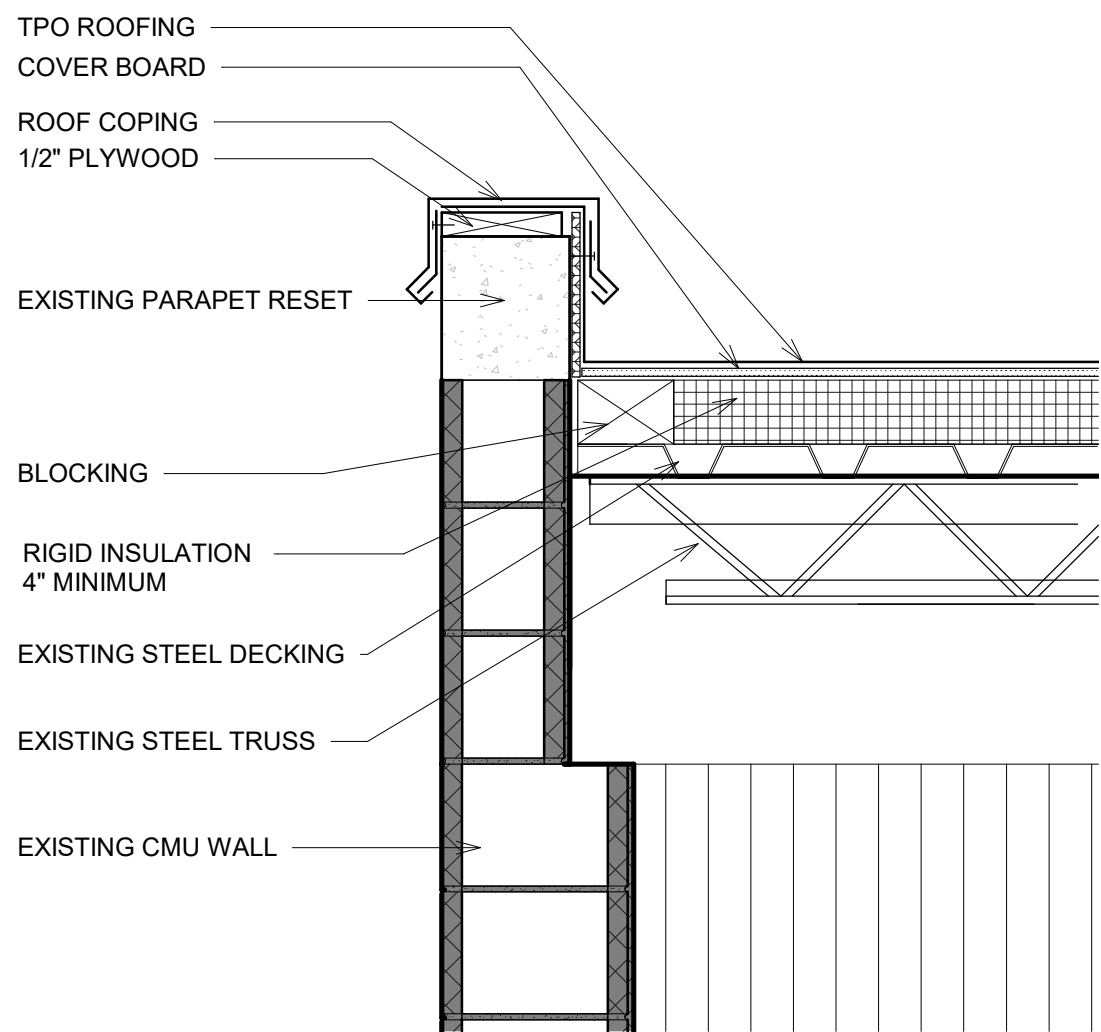
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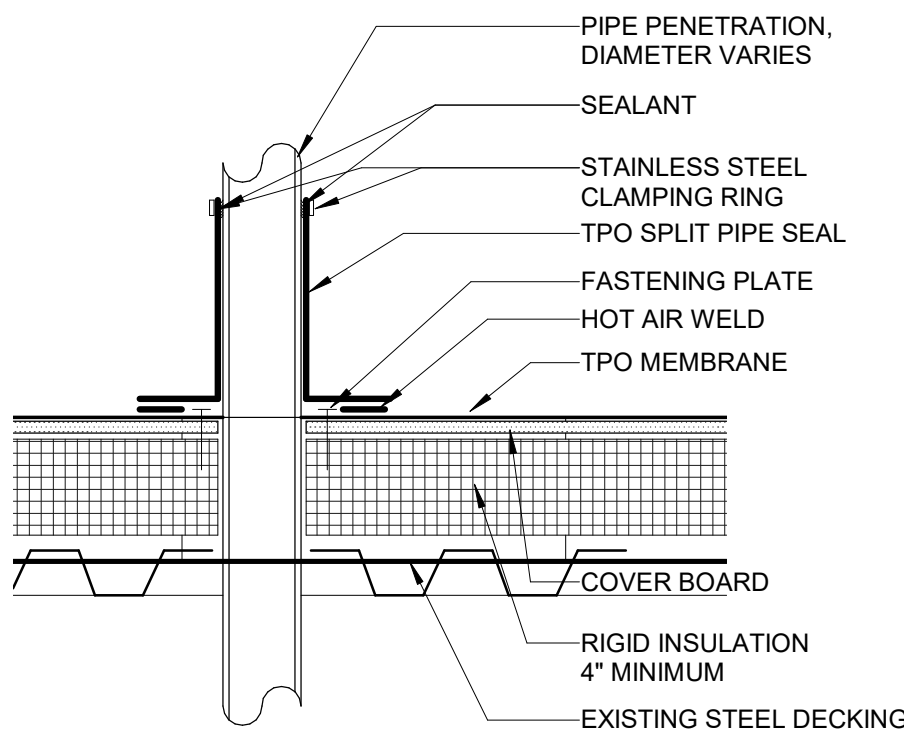
TOWN OF ARLINGTON



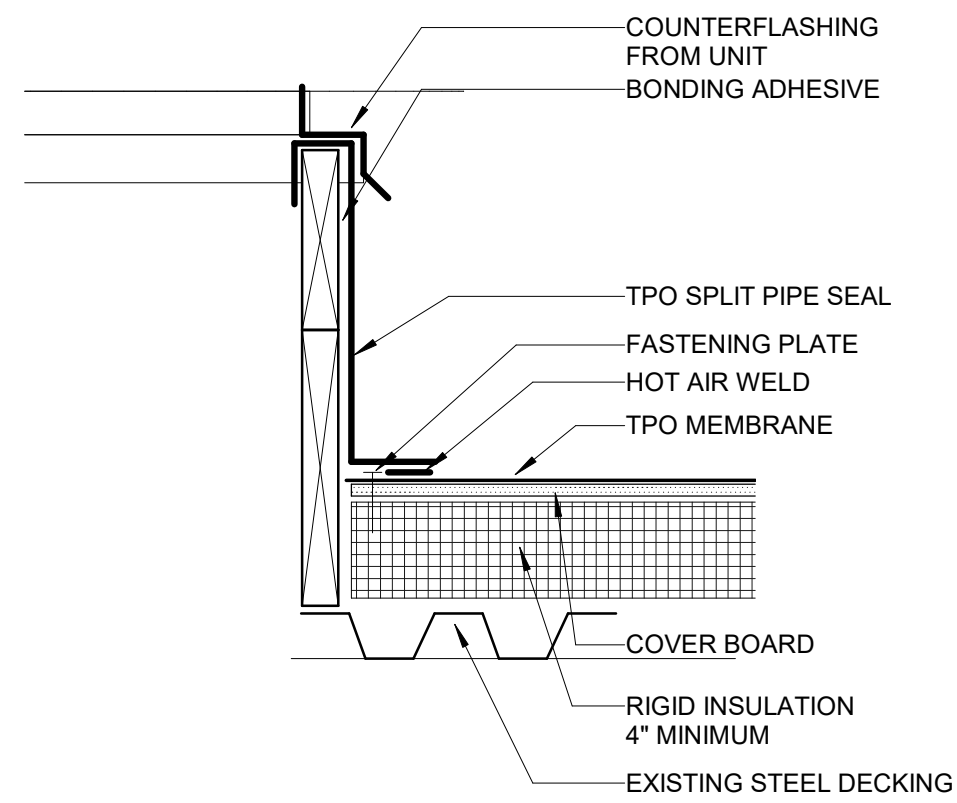
1 EXISTING ROOF CONDITION
1" = 1'-0"



2 PROPOSED CONDITIONS
1" = 1'-0"



3 PLUMBING VENT
1 1/2" = 1'-0"



4 MECHANICAL CURB
1 1/2" = 1'-0"

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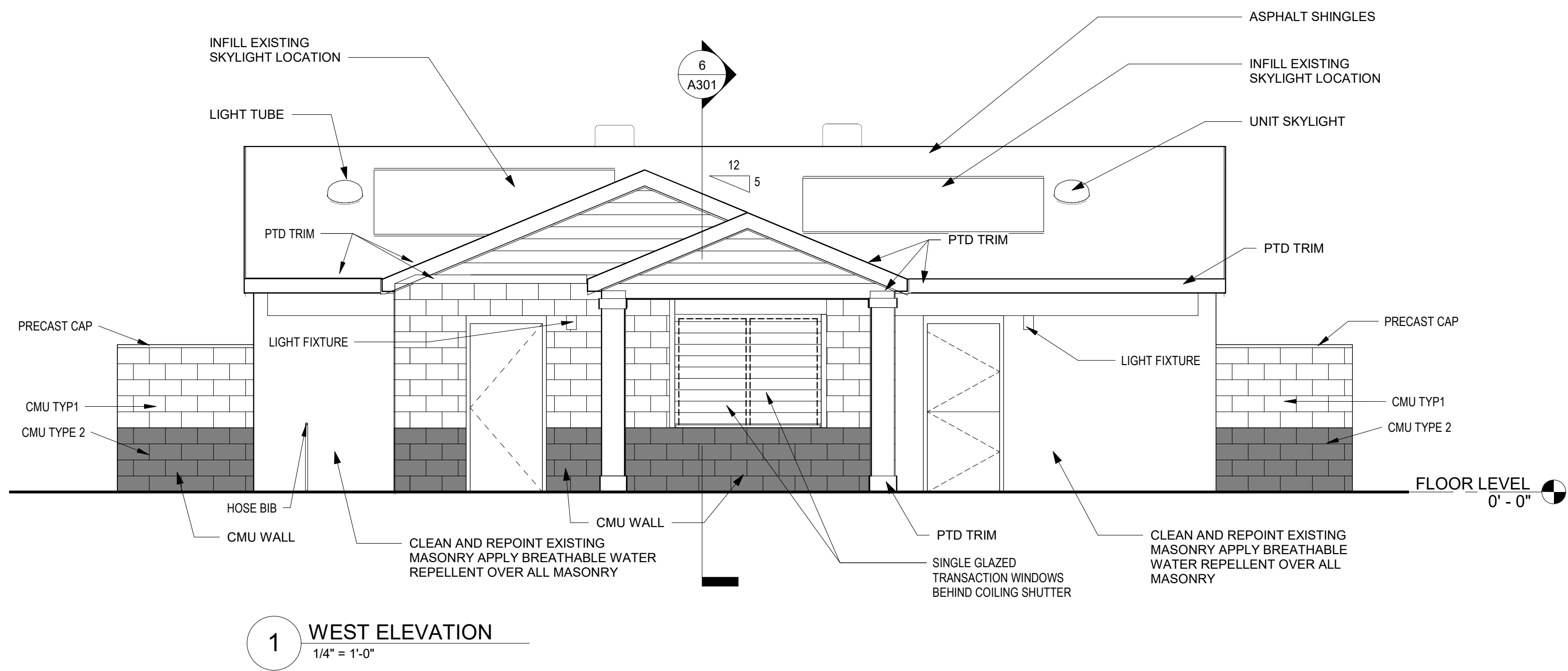
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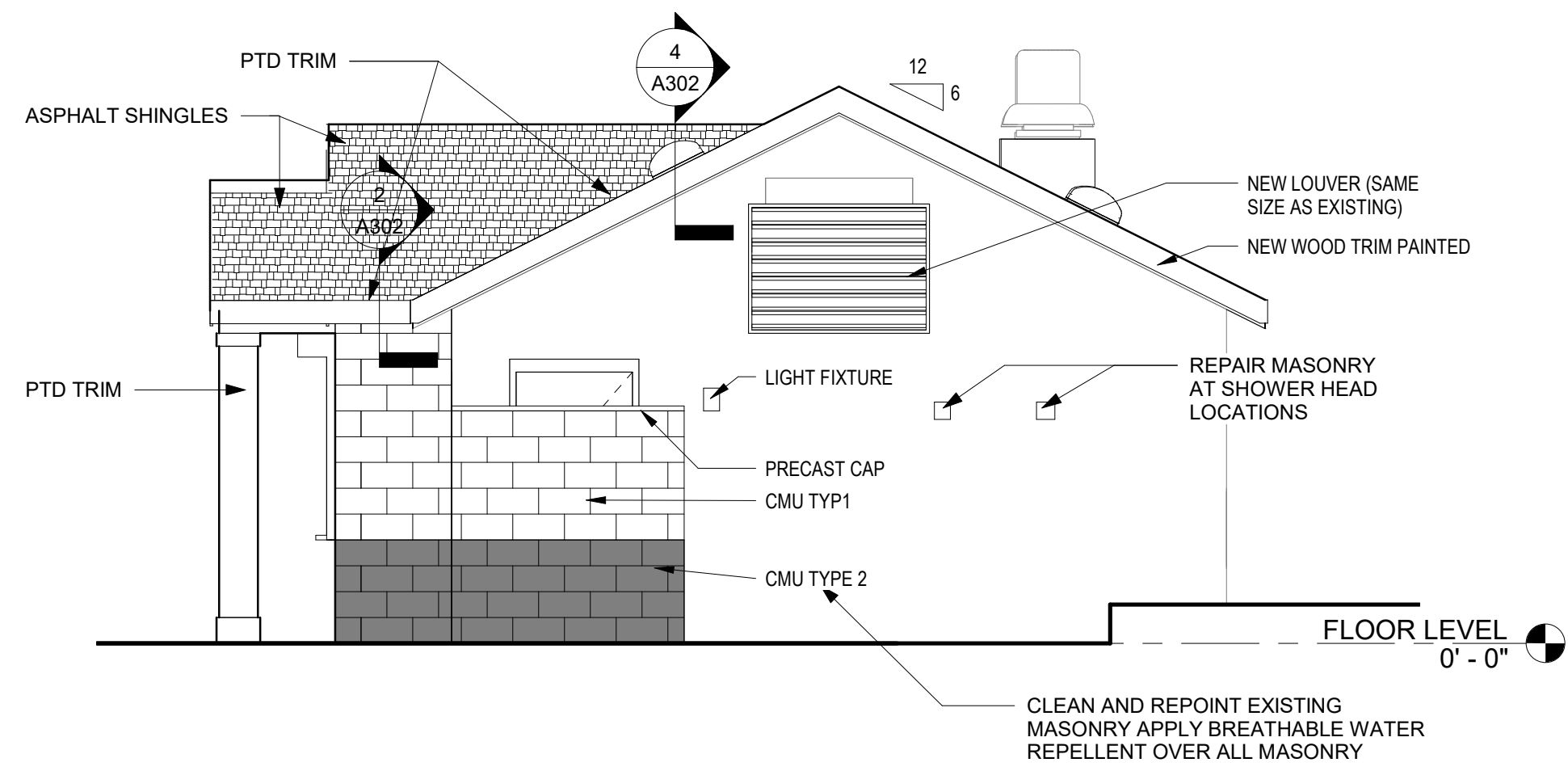
Filtration Building Sections

A103

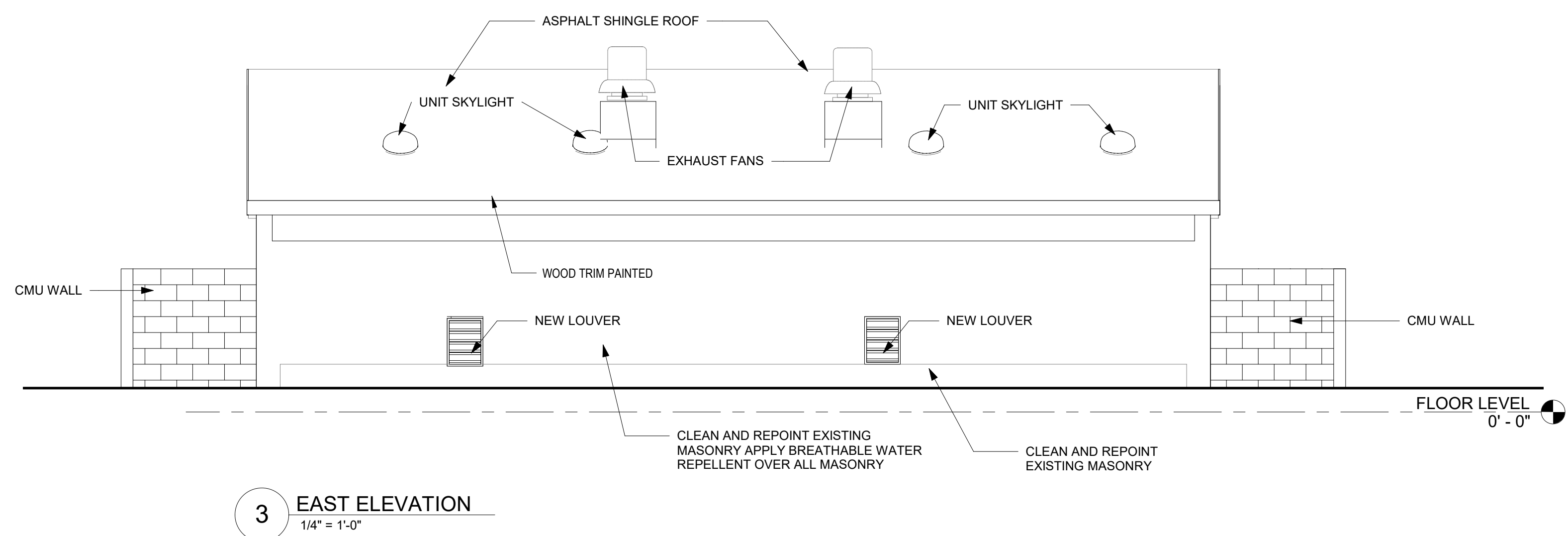
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TOWN OF ARLINGTON



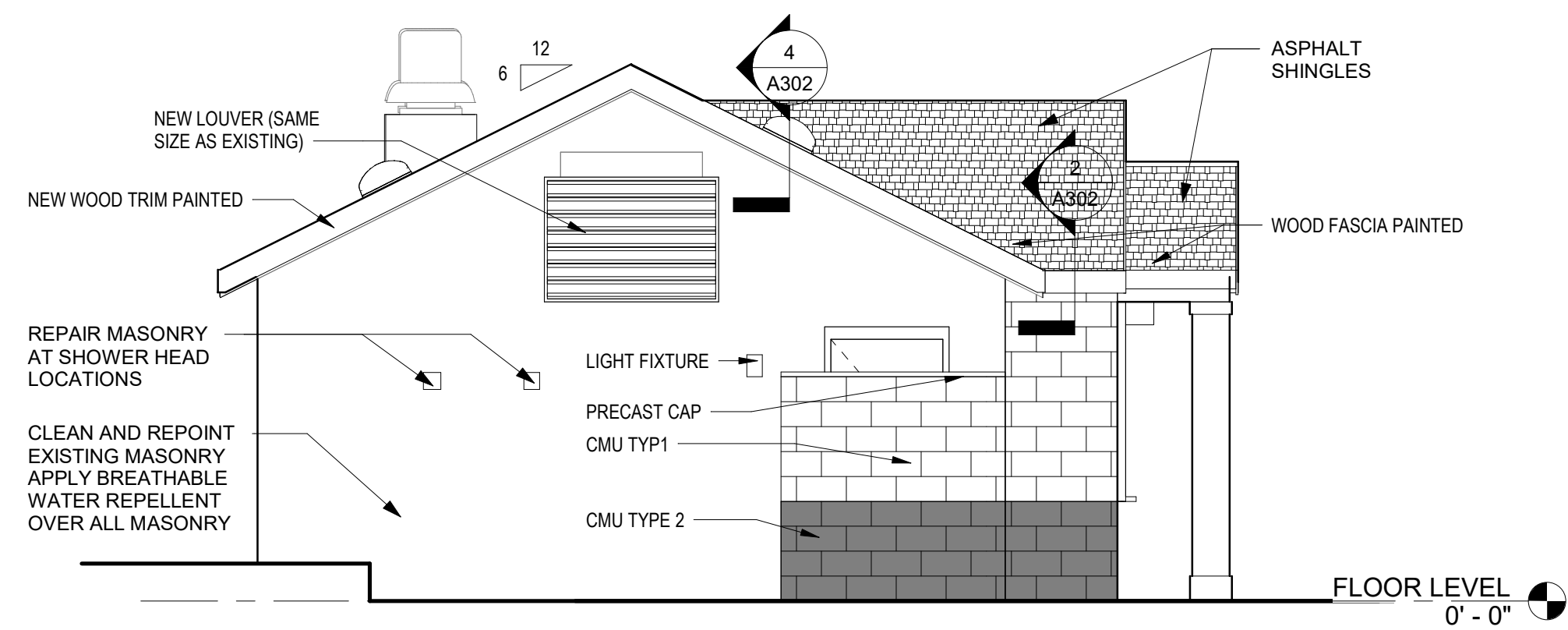
1 WEST ELEVATION
1/4" = 1'-0"



2 NORTH ELEVATION
1/4" = 1'-0"



3 EAST ELEVATION
1/4" = 1'-0"



4 SOUTH ELEVATION
1/4" = 1'-0"

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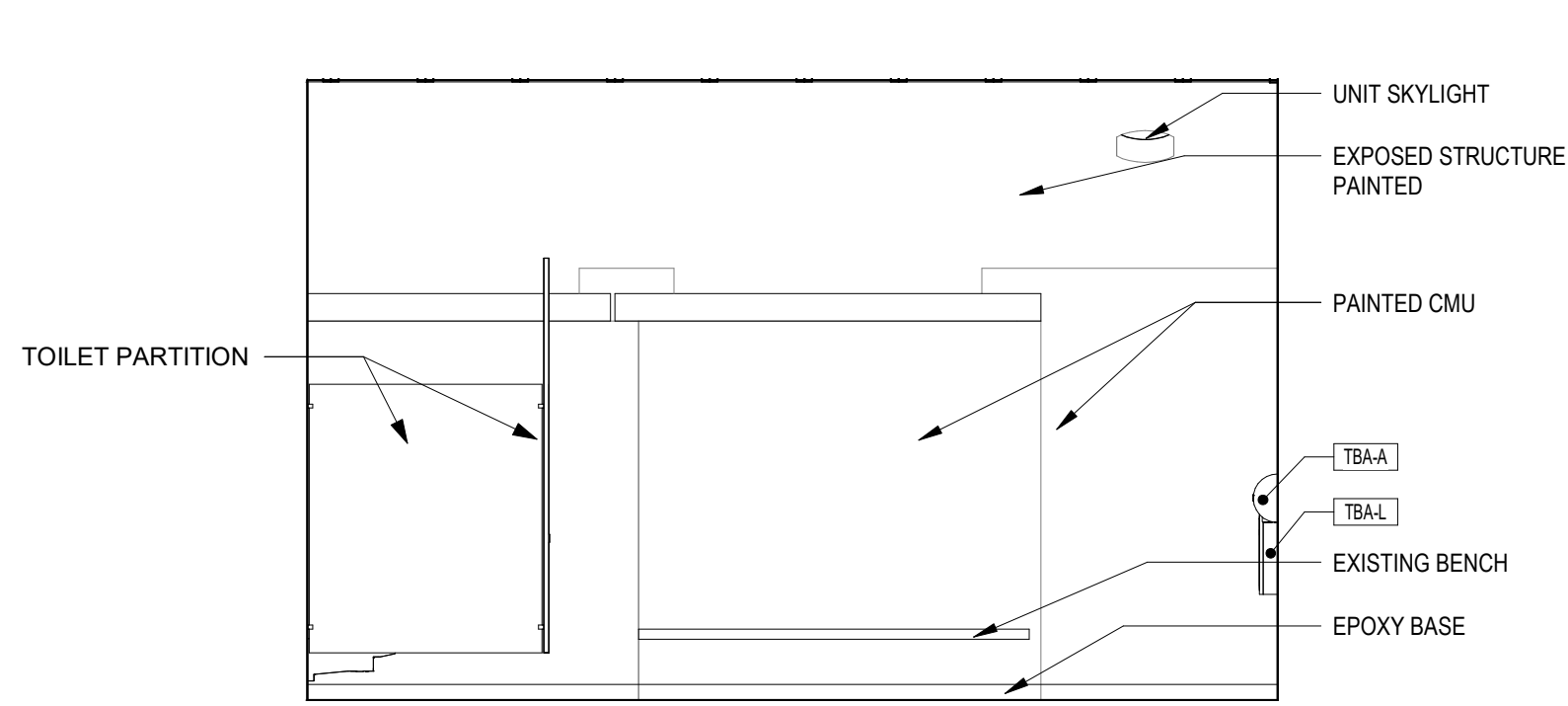
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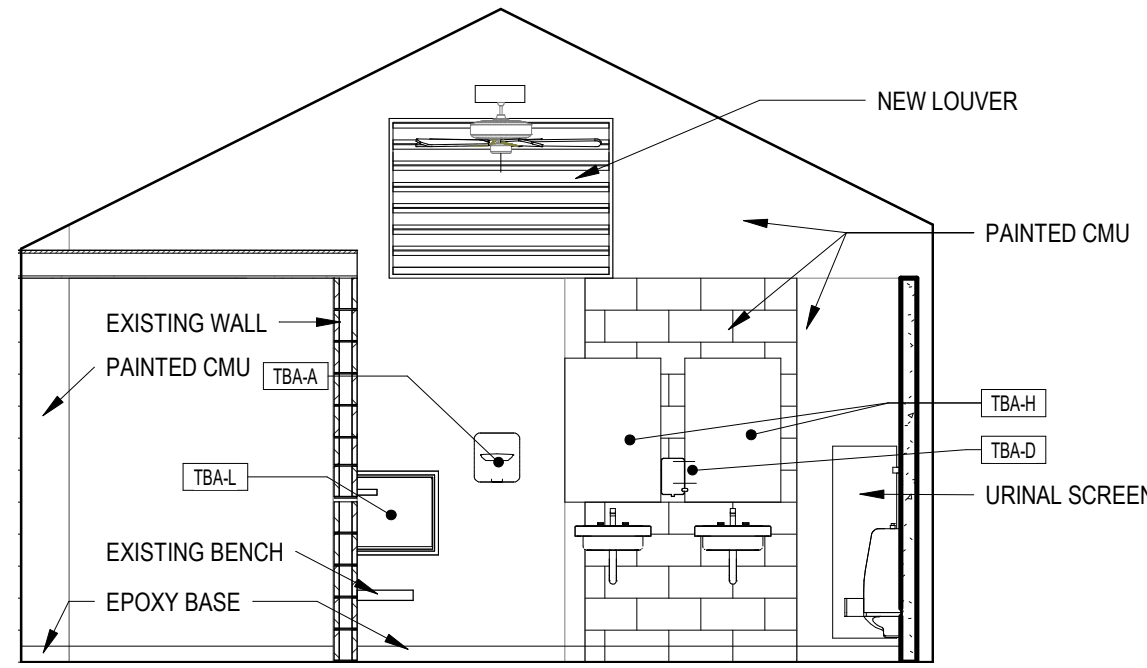
Job Number:
Project: ARLINGTON RES.
Drawn By: BH + A
Checked By: KZ
Date: NOVEMBER 10, 2020
Scale: 1/4" = 1'-0"
Drawing Title:

Bathroom Elevations

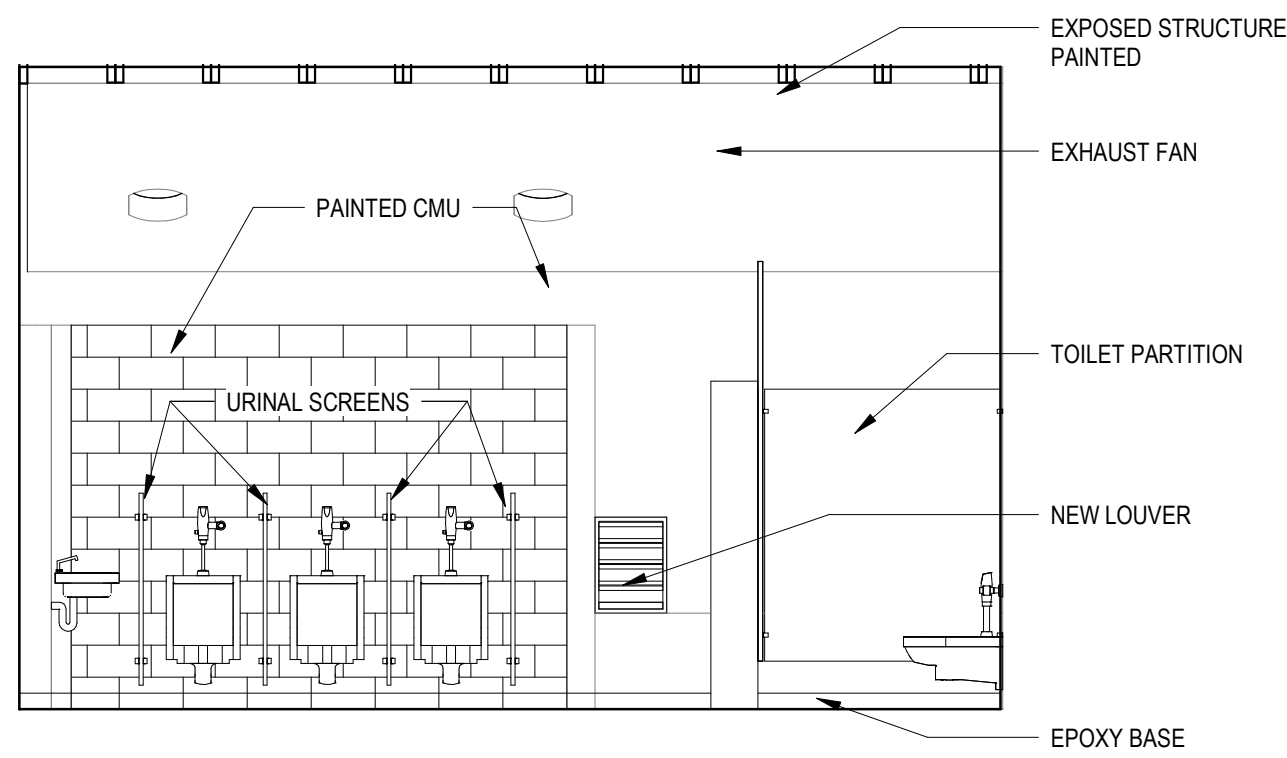
A201



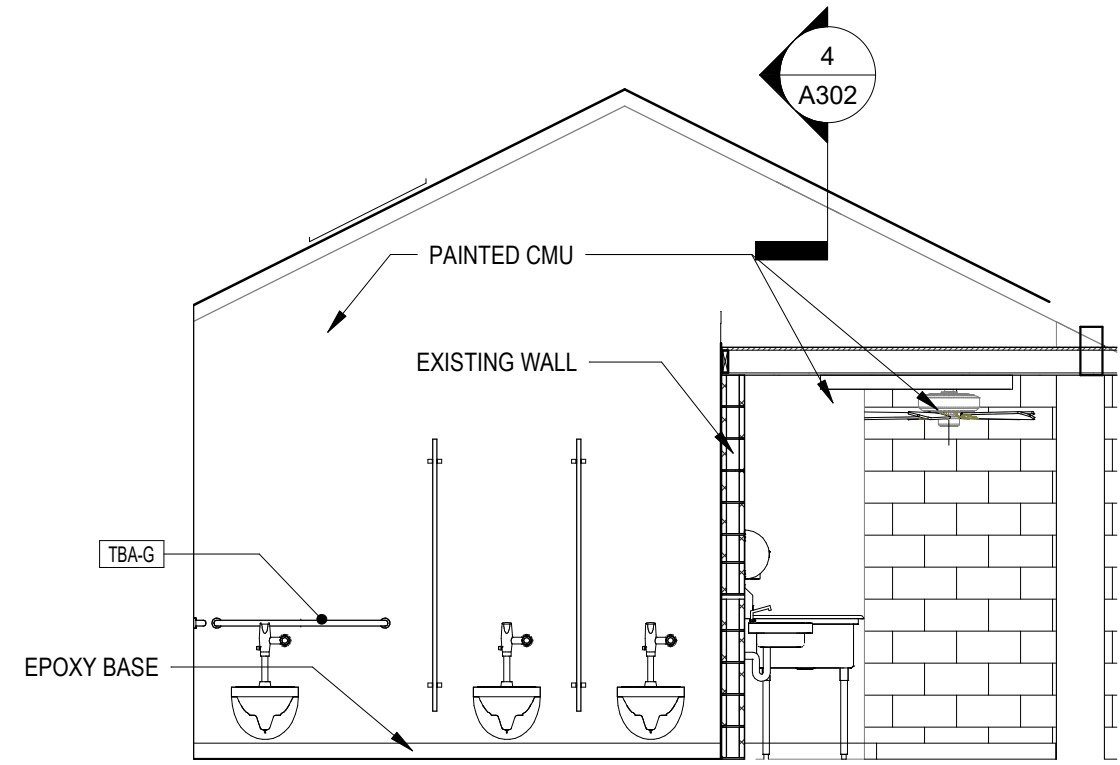
1 MEN'S ROOM 1
1/4" = 1'-0"



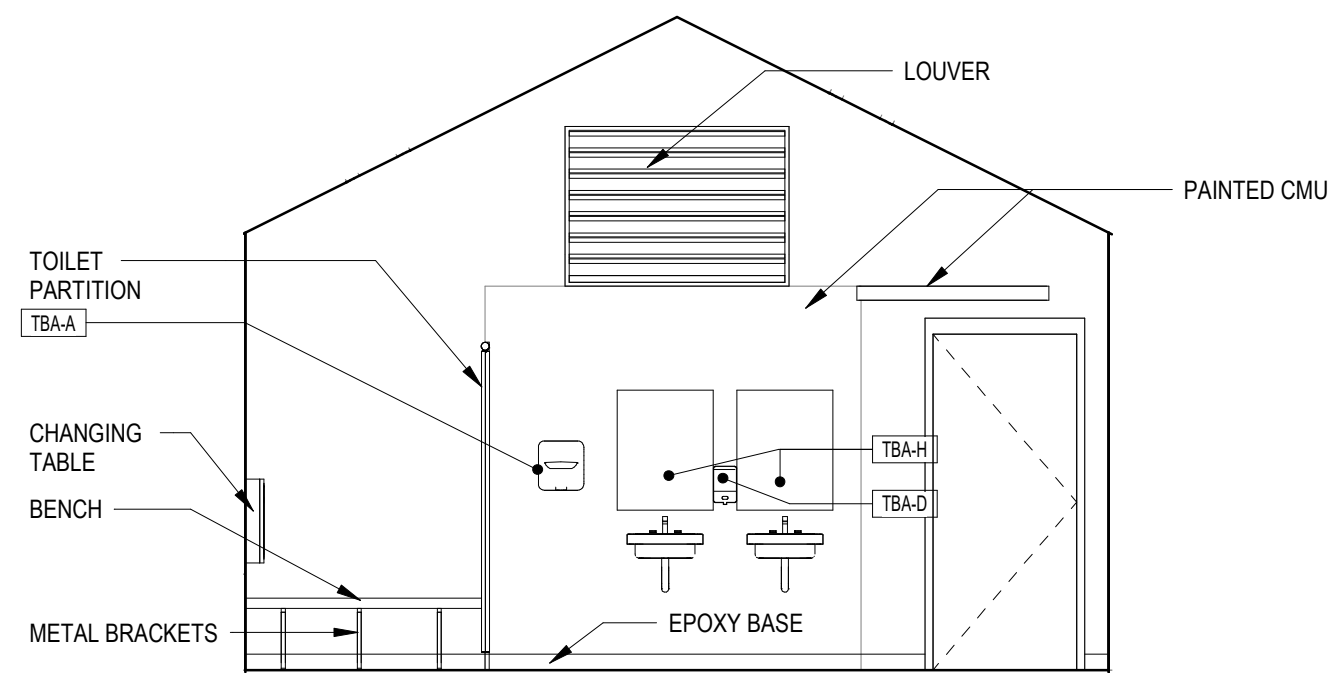
2 MEN'S ROOM 2
1/4" = 1'-0"



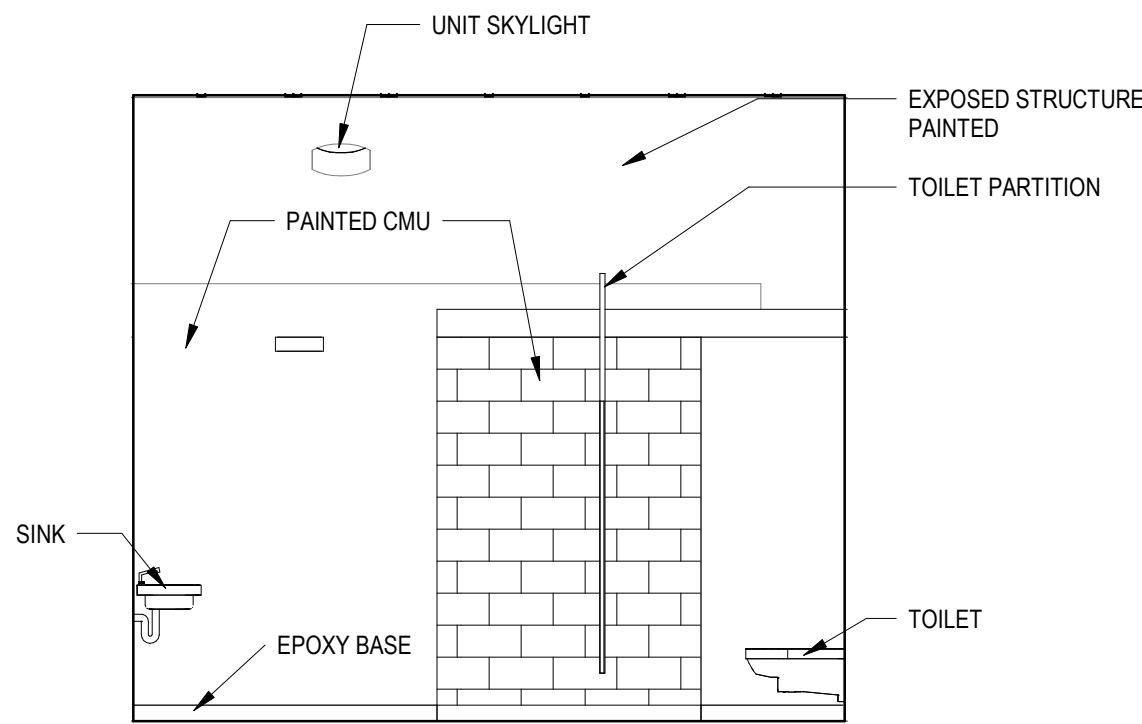
3 MEN'S ROOM 3
1/4" = 1'-0"



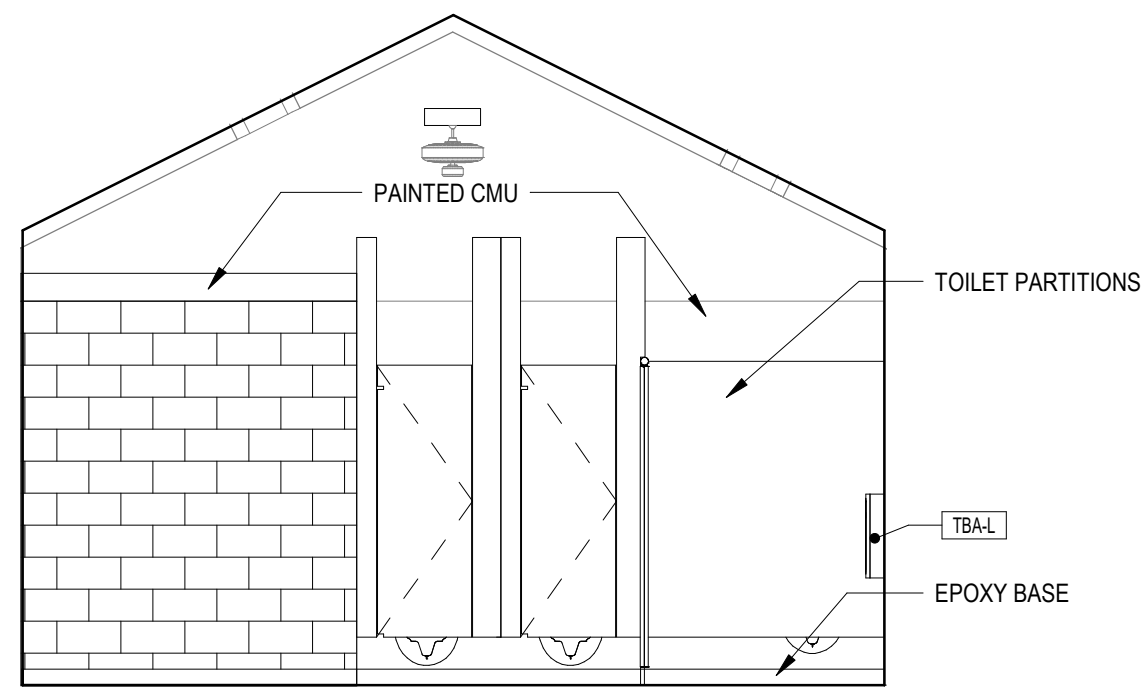
4 MEN'S ROOM 4
1/4" = 1'-0"



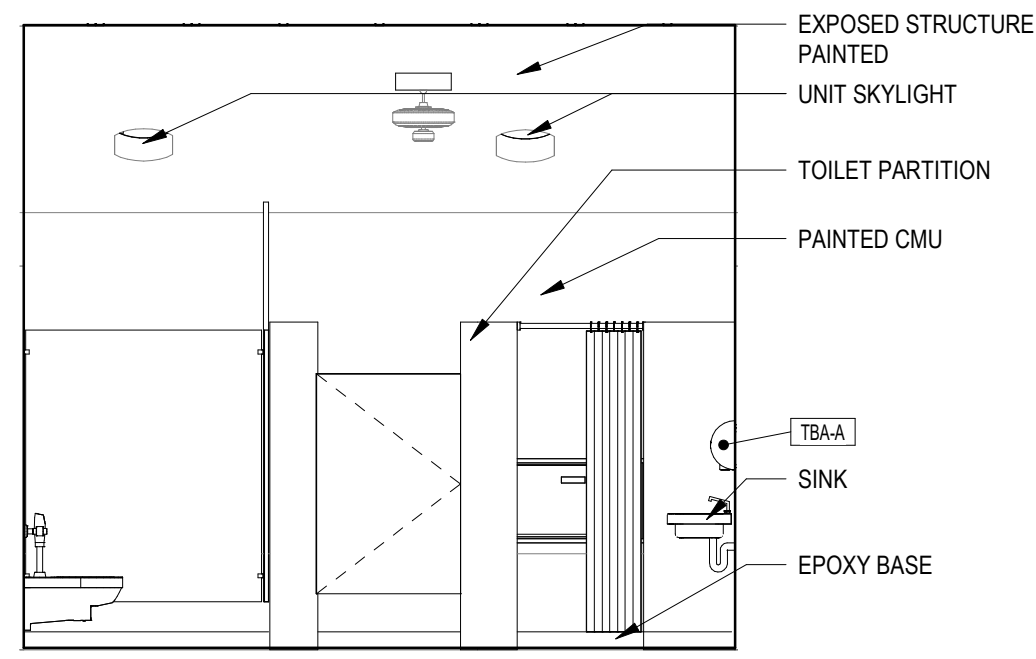
5 WOMEN'S ROOM 1
1/4" = 1'-0"



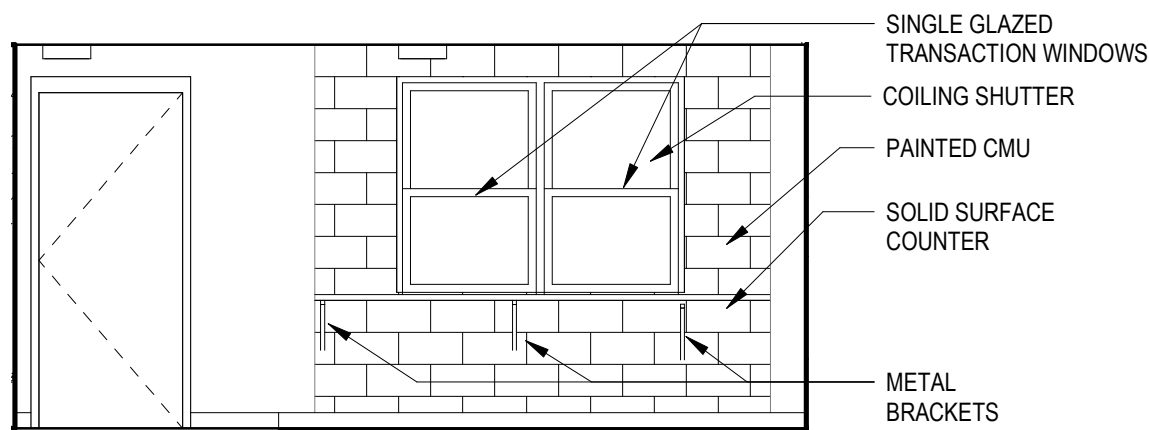
6 WOMEN'S ROOM 2
1/4" = 1'-0"



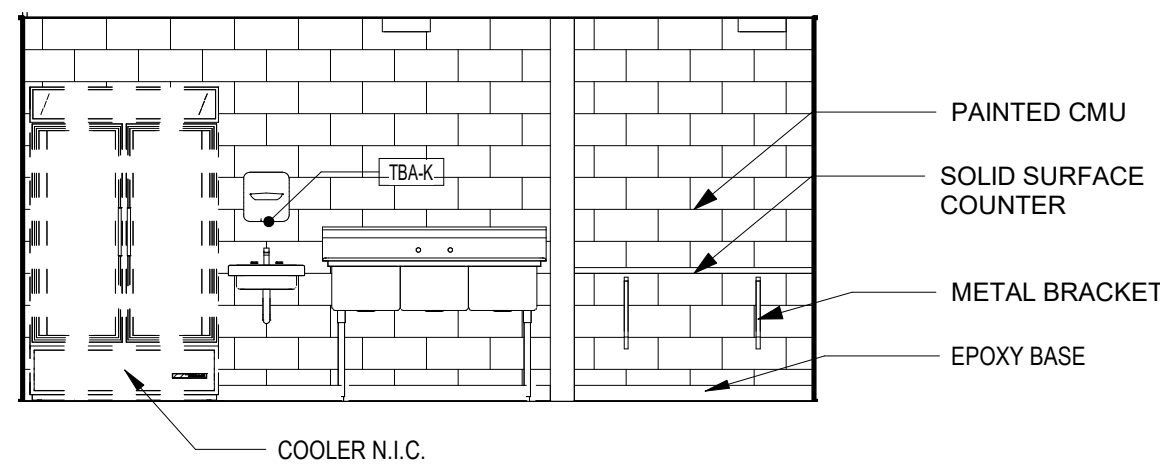
7 WOMEN'S ROOM 3
1/4" = 1'-0"



8 WOMEN'S ROOM 4
1/4" = 1'-0"



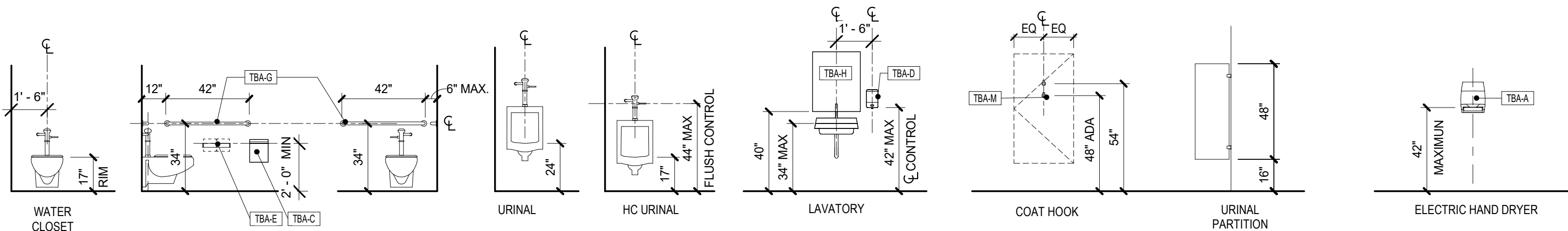
9 CONSESSION 1
1/4" = 1'-0"



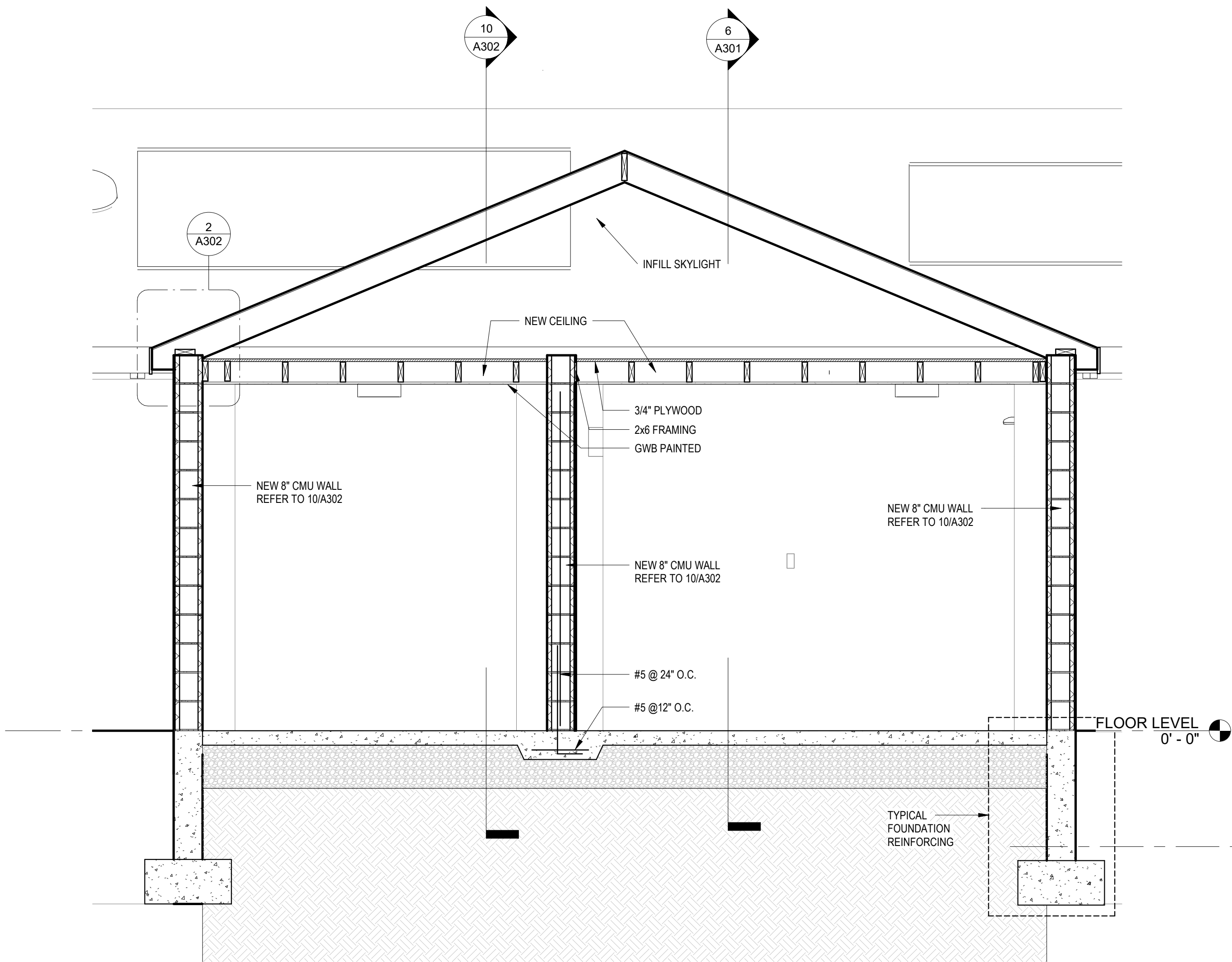
10 CONSESSION 2
1/4" = 1'-0"

TBA-A ELECTRIC HAND DRYER
TBA-C WASTE DISPOSAL (WOMEN'S ONLY)
TBA-D SOAP DISPENSER
TBA-E TISSUE DISPENSER
TBA-G GRAB BARS AT HC WATER CLOSET
TBA-H MIRROR
TBA-J WASTE RECEPTACLE
TBA-K PAPER TOWEL DISPENSER
TBA-L DIAPER CHANGING
TBA-M COAT HOOK

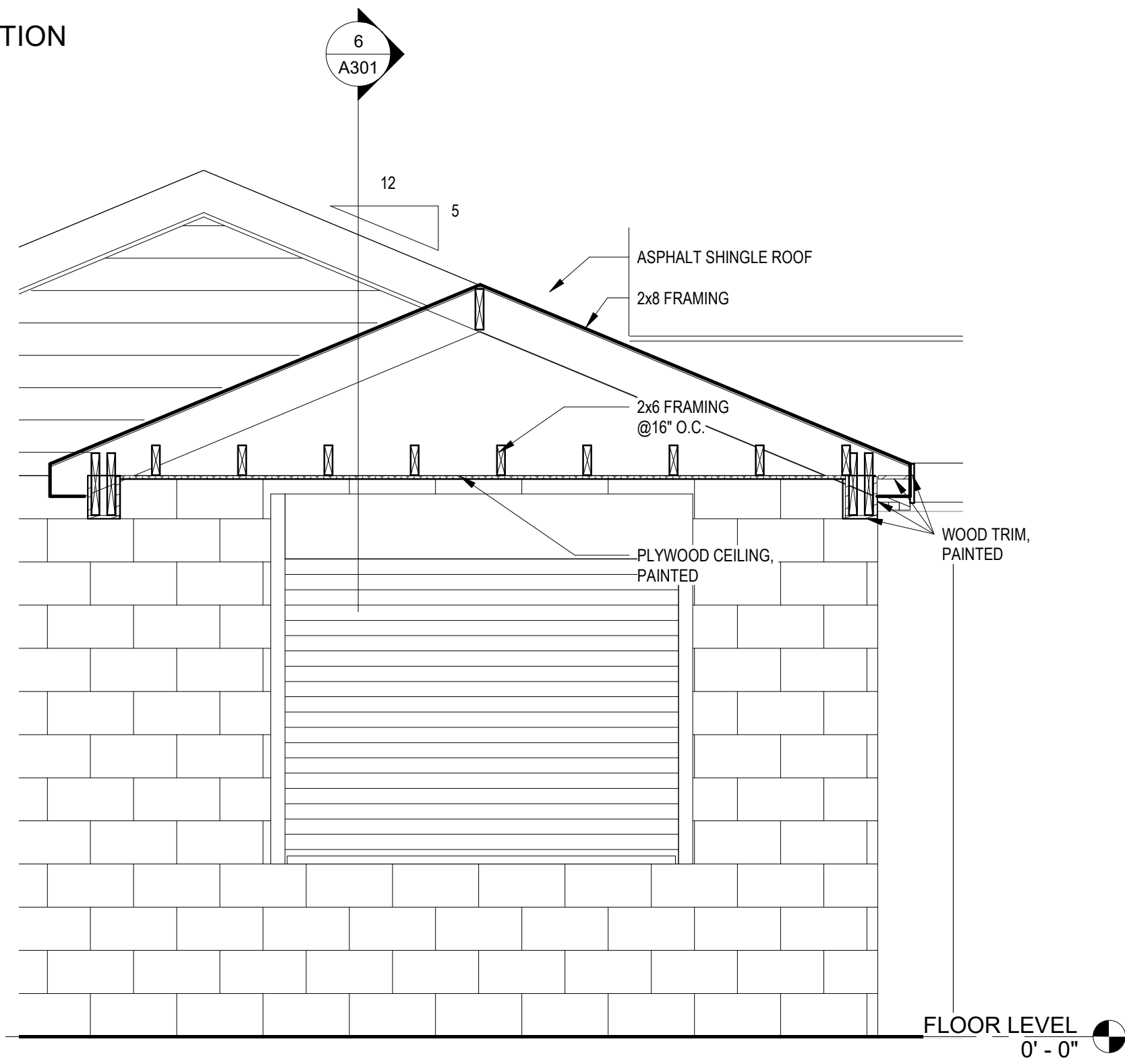
TOILET AND BATHROOM ACCESSORIES MOUNTING HEIGHT



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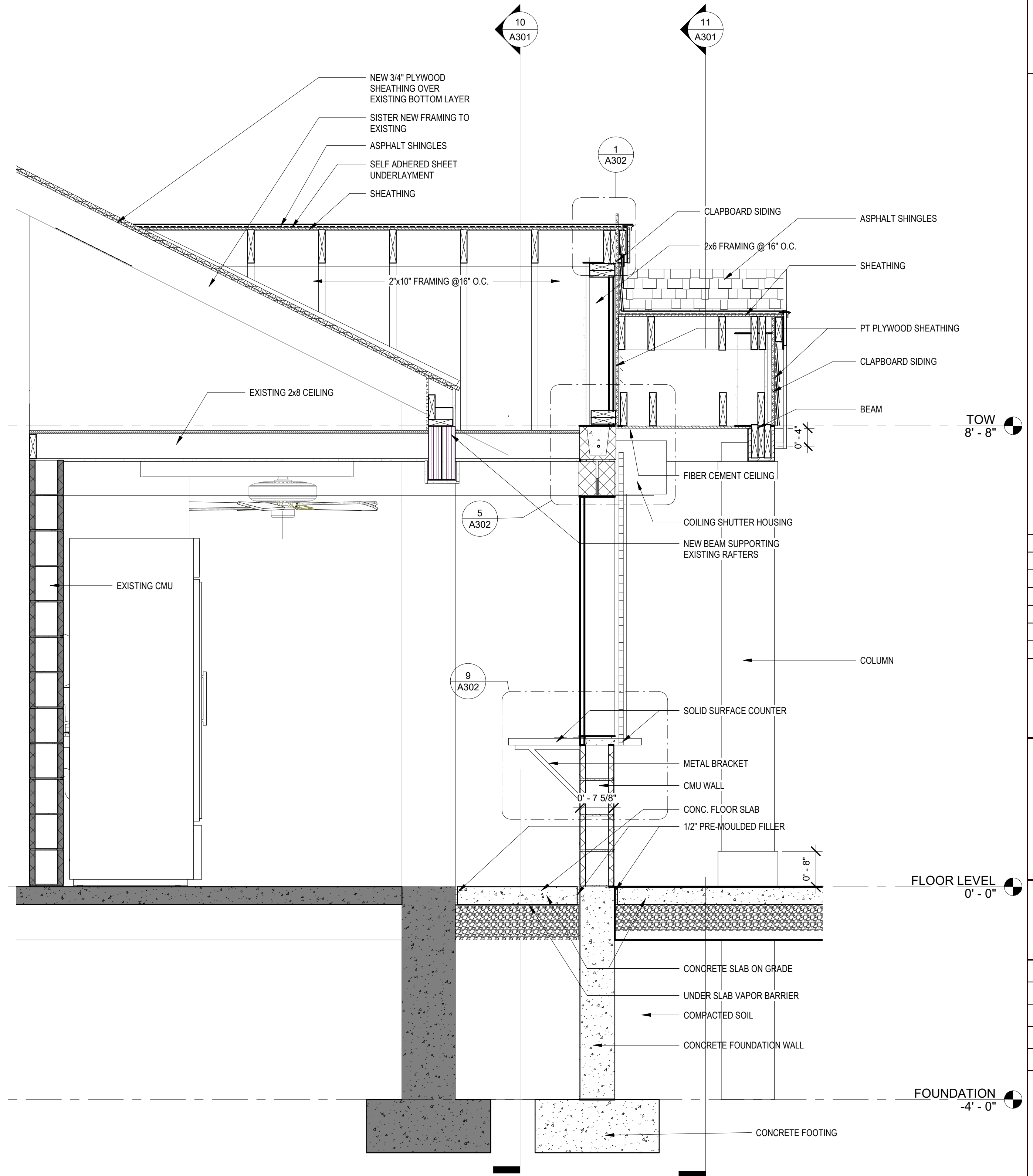


10 ADDITION SECTION
1/2" = 1'-0"



11 FRONT SECTION
1/2" = 1'-0"

6 Dormer Section
3/4" = 1'-0"



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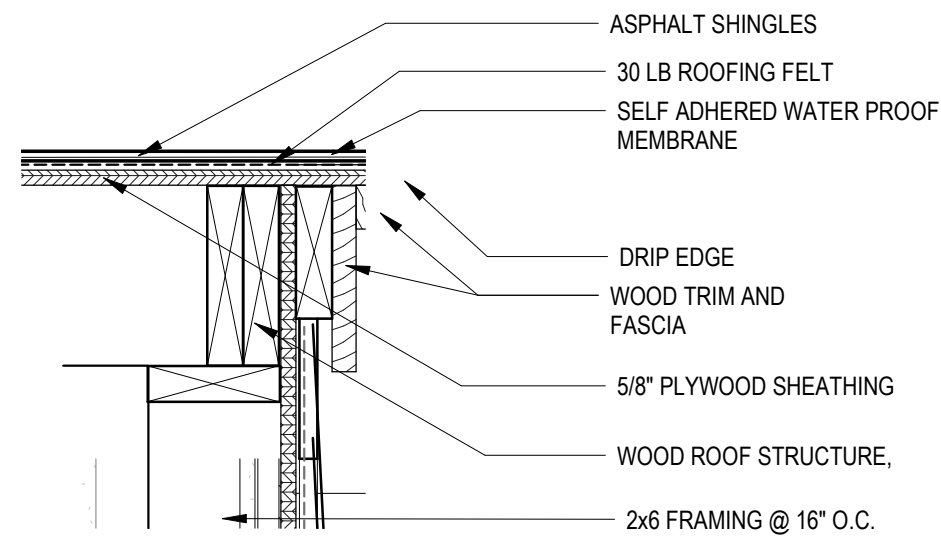
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CONSTRUCTION DOCUMENTS

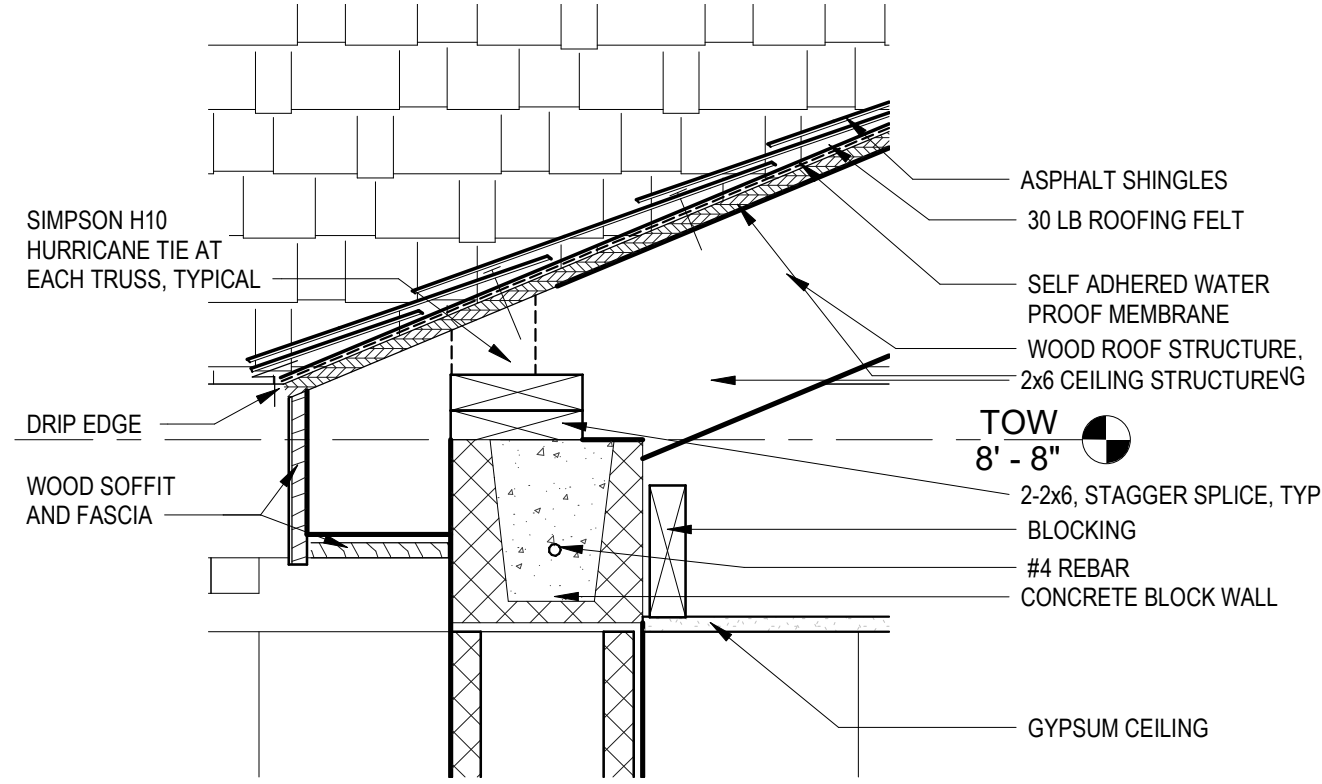
Job Number:
Project: ARLINGTON RES.
Drawn By: BH + A Checked By: KZ
Date: NOVEMBER 10, 2020
Scale: As indicated
Drawing Title:

Sections

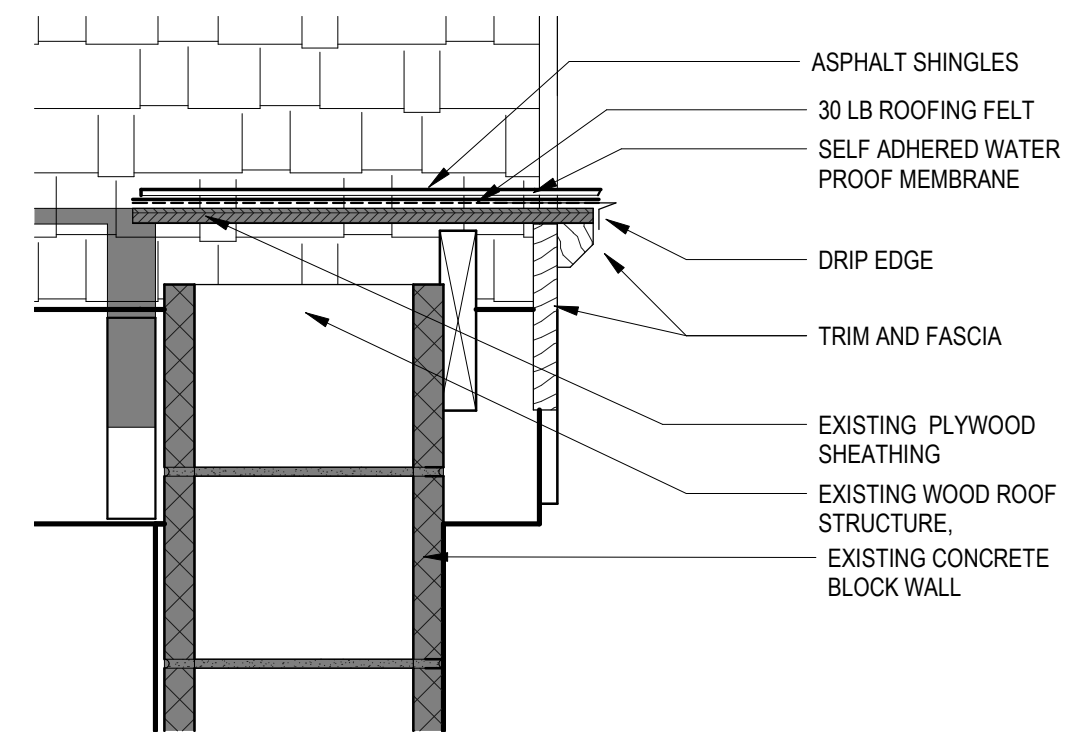
A301



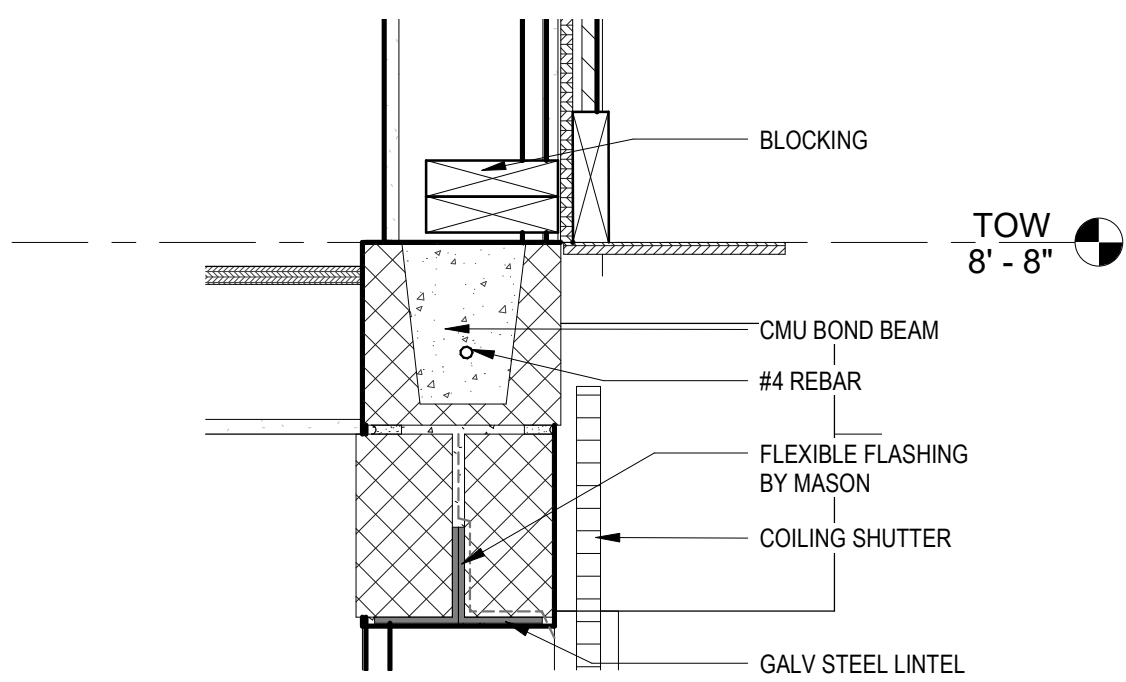
1 RAKE DETAIL
1 1/2" = 1'-0"



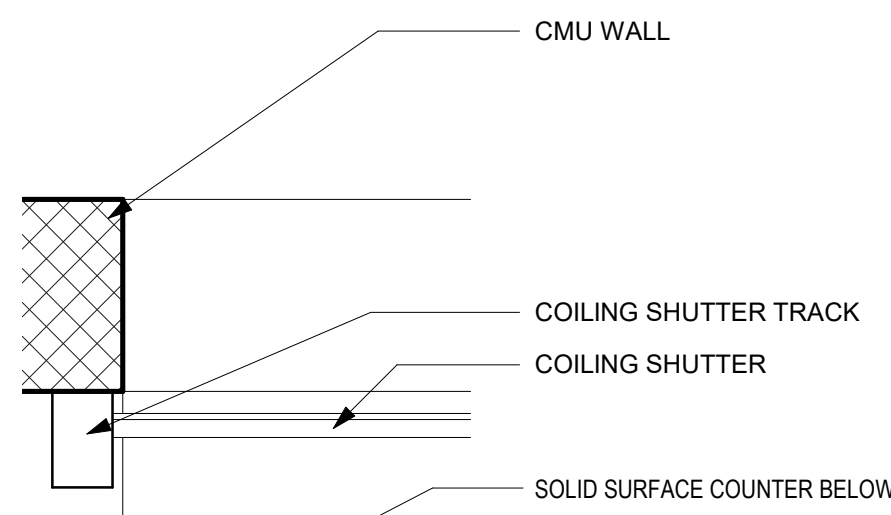
2 ADDITION EAVE DETAIL
1 1/2" = 1'-0"



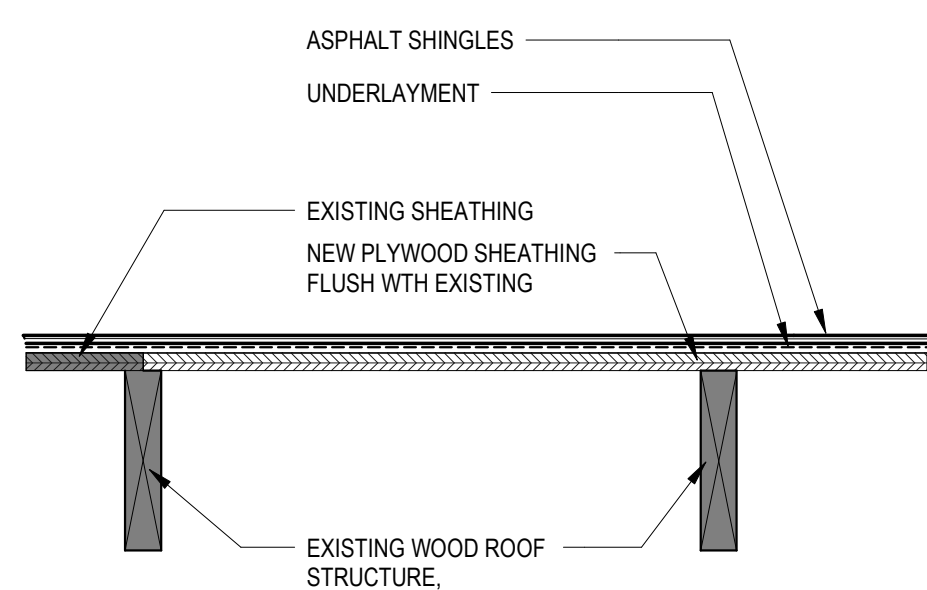
4 RAKE DETAIL AT EXISTING WALL
1 1/2" = 1'-0"



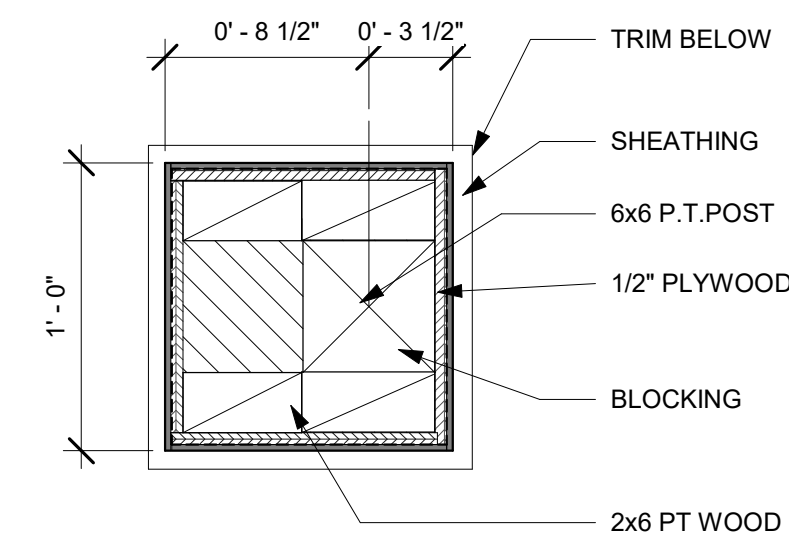
5 WINDOW HEAD
1 1/2" = 1'-0"



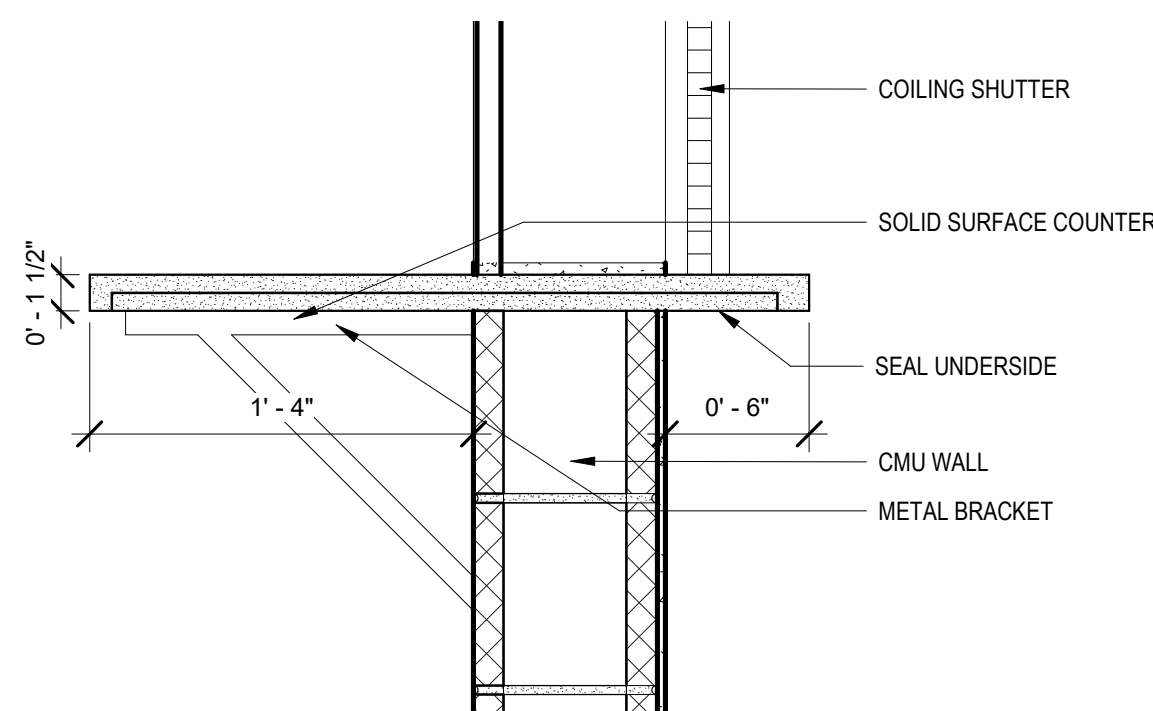
6 WINDOW JAMB
1 1/2" = 1'-0"



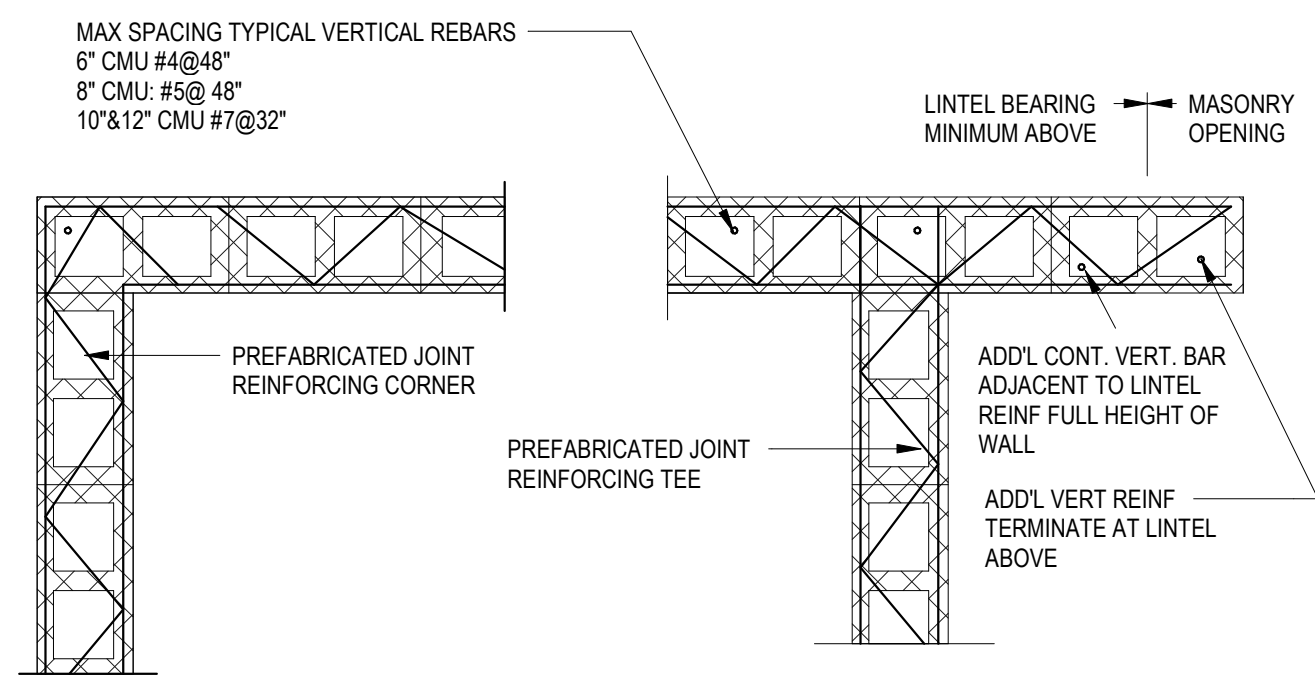
7 SKYLIGHT INFILL
1 1/2" = 1'-0"



8 COLUMN DETAIL
1 1/2" = 1'-0"



9 WINDOW SILL
1 1/2" = 1'-0"



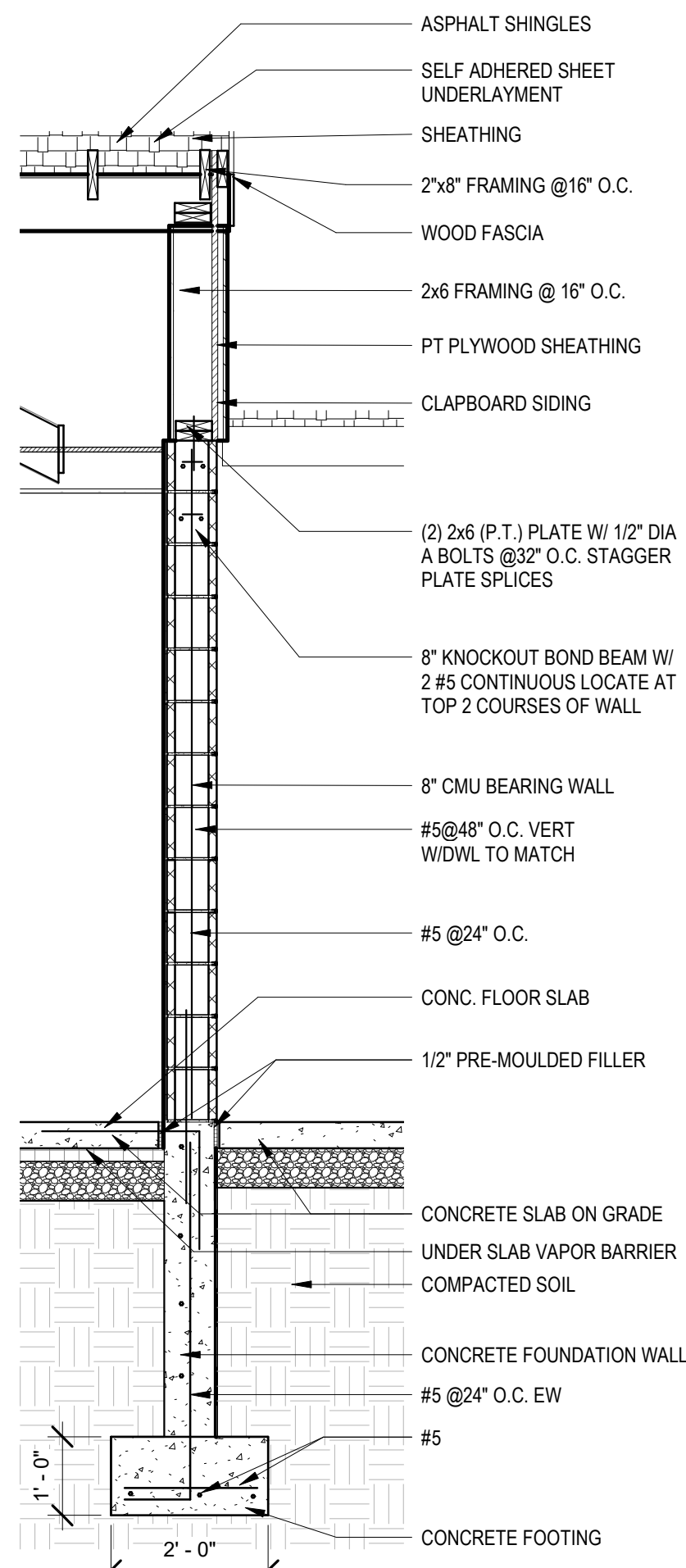
3 CMU REINFORCING
3/4" = 1'-0"

NOTE:
EXCEPT WHERE OTHERWISE NOTED AT ALL INTERSECTING
WALLS AND CORNERS, PROVIDE PRE-FABRICATED CORNERS AND
TEES IN ALTERNATE HORIZONTAL COURSES. LAP WITH TYPICAL
JOINT REINFORCING

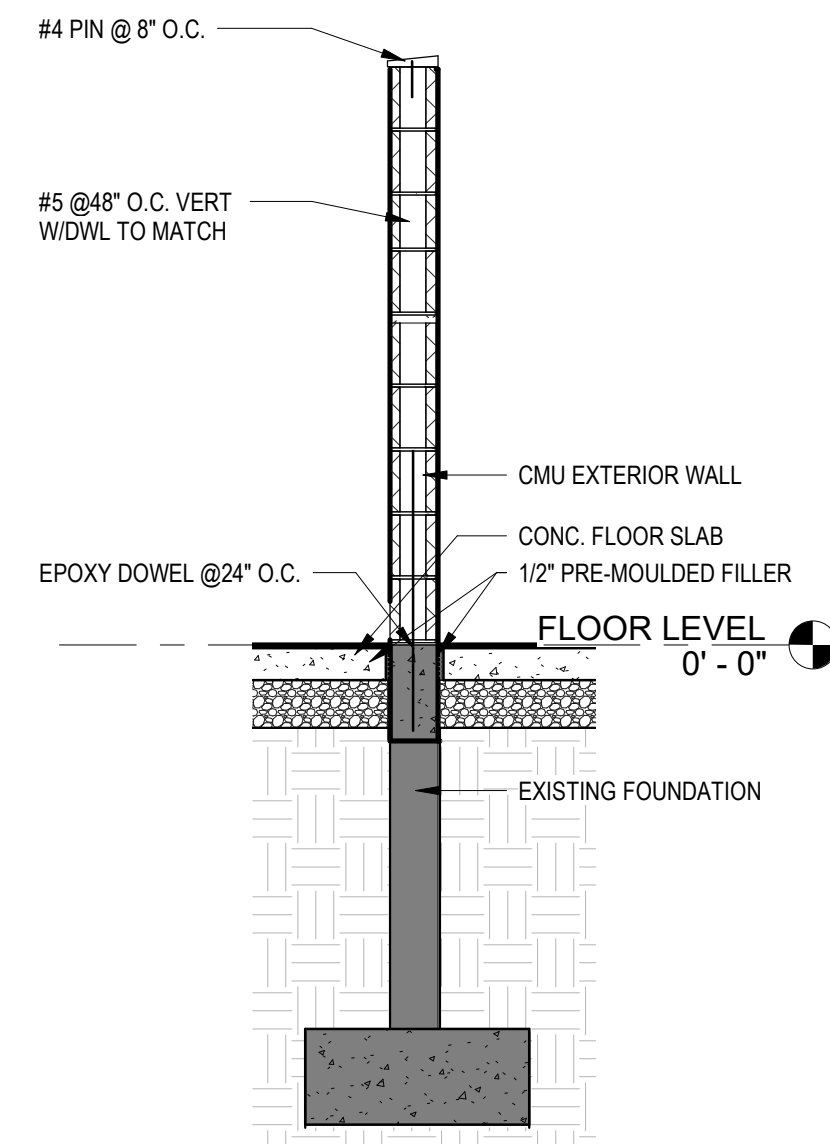
PROVIDE ADDITIONAL REBARS AT CORNERS, TEES, ENDS OF
WALLS AND EACH SIDE OF CONTROL JOINTS

LINTELS SHALL BE PROVIDED OVER ALL OPENINGS IN MASONRY WALLS ACCORDING TO THE
FOLLOWING SCHEDULE UNLESS OTHERWISE NOTED AND ARE TO BE HOT DIPPED
GALVANIZED. PROVIDE 8" BEARING AT EACH END OF LINTEL AND ONE "L" FOR EACH 4" OF
WALL THICKNESS.

OPENINGS UP TO 3'-0"	L3 1/2"x3 1/2"x 5/16"	3 1/2" LEG VERTICAL
3'-0" TO 4'-6"	L4 1/2"x3 1/2"x 5/16"	4 1/2" LEG VERTICAL
4'-7" TO 6'-0"	L5 1/2"x3 1/2"x 5/16"	5 1/2" LEG VERTICAL
6'-1" TO 8'-0"	L5 1/2"x3 1/2"x 5/16"	6 1/2" LEG VERTICAL



10 NEW WALL
1/2" = 1'-0"



11 NEW SCREEN WALL
1/2" = 1'-0"

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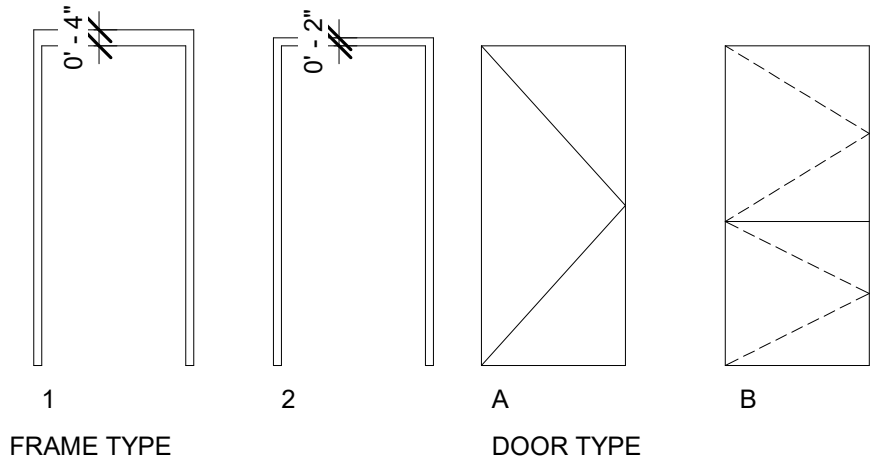
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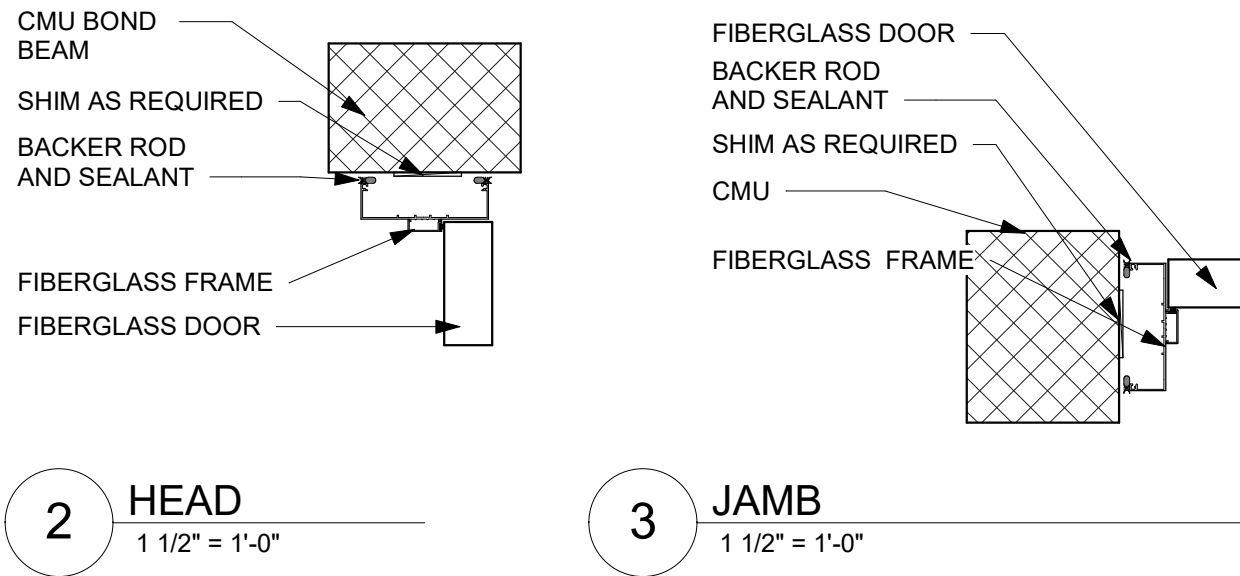
Details
A302

Room Schedule						
Numb er	Name	Wall Finish	Ceiling Finish	Floor Finish	Base Finish	Comments
1	MEN'S ROOM	PAINTED CMU	PAINTED STRUCTURE	SEAMLESS QUARTZ	SEAMLESS QUARTZ	
2	WOMENS ROOM	PAINTED CMU	PAINTED STRUCTURE	SEAMLESS QUARTZ	SEAMLESS QUARTZ	
3	CONCESSION	PAINTED CMU	PAINTED STRUCTURE	SEAMLESS QUARTZ	SEAMLESS QUARTZ	
4	STORAGE	PAINTED CMU	PAINTED STRUCTURE	SEAMLESS QUARTZ	SEAMLESS QUARTZ	

Door Schedule													
Mark	Width	Height	Door type	Thickness	Door Material	Finish	Frame	Frame Material	Head Detail	Jamb Detail	Sill Detail	Hardware Set	Comments
1	3' - 0"	7' - 0"	A	0' - 1 3/4"	FIBERGLASS		1	FIBERGLASS	2/A303	3/A303	4/A303	3	
2	3' - 0"	7' - 0"	A	0' - 1 3/4"	FIBERGLASS		1	FIBERGLASS	2/A303	3/A303	4/A303	1	
3	3' - 0"	7' - 0"	B	0' - 1 3/4"	FIBERGLASS		1	FIBERGLASS	2/A303	3/A303	4/A303	2	
4	3' - 0"	7' - 0"	A	0' - 1 3/4"	FIBERGLASS		2	FIBERGLASS	2/A303	3/A303	4/A303	3	



1 Door and Frame Types
1/4" = 1'-0"



2 HEAD
1 1/2" = 1'-0"

3 JAMB
1 1/2" = 1'-0"

ARLINGTON
RENOVATIONS TO
EXISTING
BUILDINGS

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON

NO.	REVISION	DATE

kzla
Kyle Zick Landscape Architecture, Inc.
36 Bromfield Street Suite 202
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www.kylezick.com

ARCHITECT
bh+a
Bargmann Hendrie + Archetype, Inc.
9 Channel Center Street
Boston, MA 02210
617 350-0450 Tel

CONSTRUCTION DOCUMENTS

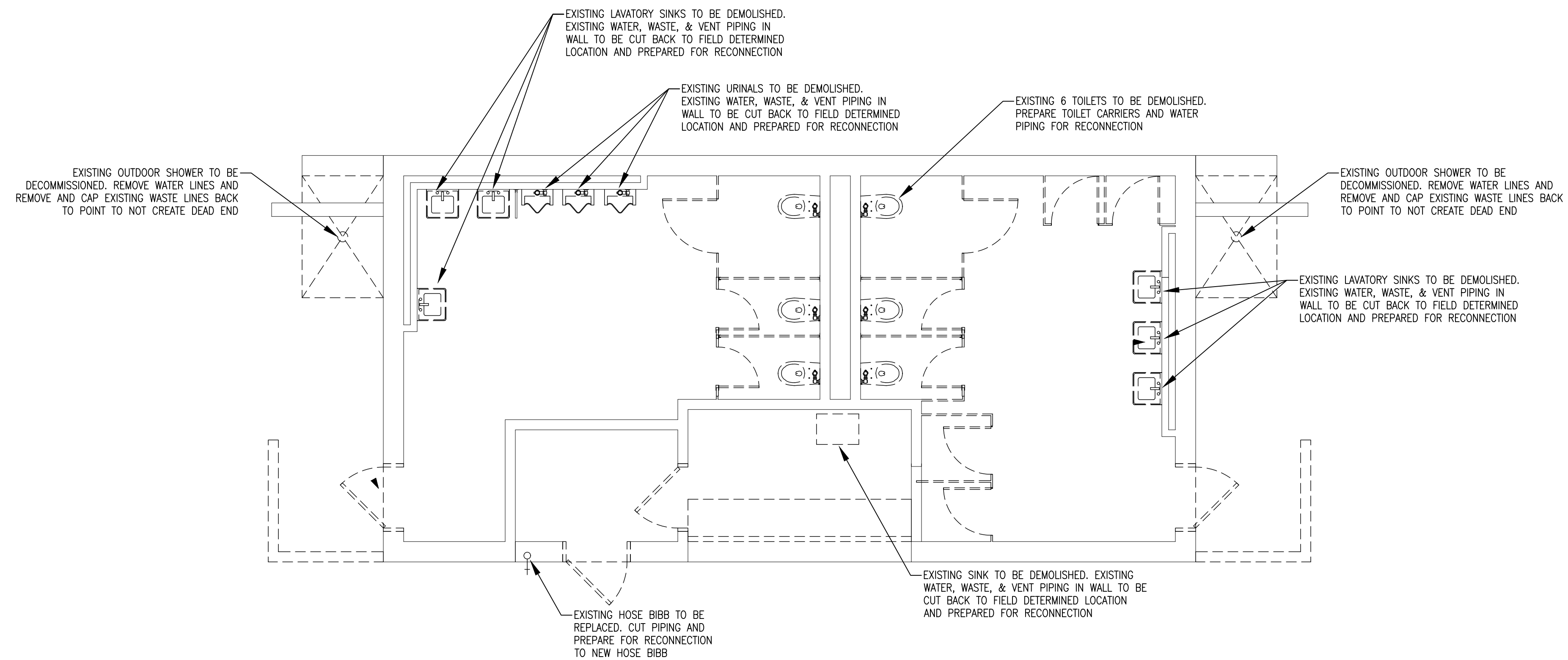
Job Number:	
Project: ARLINGTON RES.	
Drawn By: BH + A	Checked By: KZ
Date: NOVEMBER 10, 2020	
Scale: As indicated	
Drawing Title:	

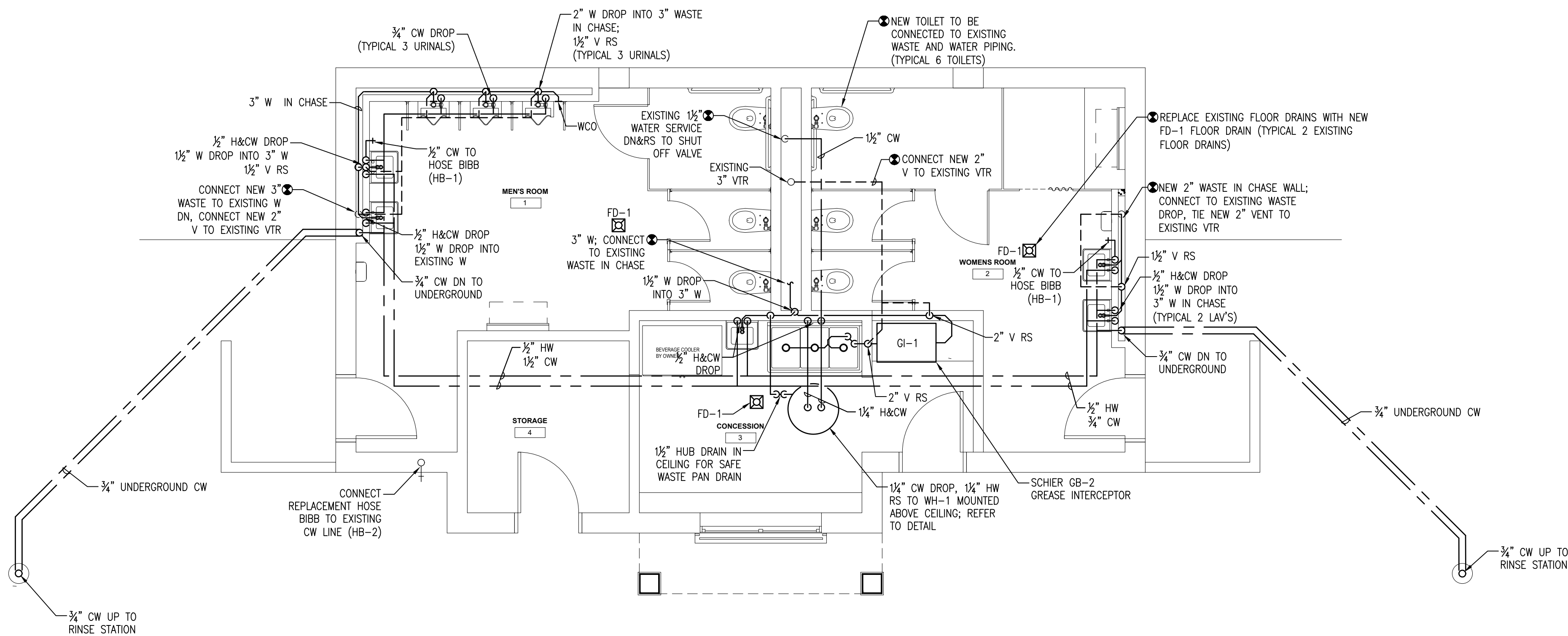
Door and Finish Schedules

A303

ARLINGTON, MASSACHUSETTS

the 1990s, the number of people in the United States who are 65 years of age or older has increased by 25 percent, and the number of people 75 years of age or older has increased by 40 percent. The number of people 85 years of age or older has increased by 60 percent. The number of people 95 years of age or older has increased by 100 percent. The number of people 100 years of age or older has increased by 200 percent. The number of people 105 years of age or older has increased by 400 percent. The number of people 110 years of age or older has increased by 800 percent. The number of people 115 years of age or older has increased by 1,600 percent. The number of people 120 years of age or older has increased by 3,200 percent. The number of people 125 years of age or older has increased by 6,400 percent. The number of people 130 years of age or older has increased by 12,800 percent. The number of people 135 years of age or older has increased by 25,600 percent. The number of people 140 years of age or older has increased by 51,200 percent. The number of people 145 years of age or older has increased by 102,400 percent. The number of people 150 years of age or older has increased by 204,800 percent. The number of people 155 years of age or older has increased by 409,600 percent. The number of people 160 years of age or older has increased by 819,200 percent. The number of people 165 years of age or older has increased by 1,638,400 percent. The number of people 170 years of age or older has increased by 3,276,800 percent. The number of people 175 years of age or older has increased by 6,553,600 percent. The number of people 180 years of age or older has increased by 13,107,200 percent. The number of people 185 years of age or older has increased by 26,214,400 percent. The number of people 190 years of age or older has increased by 52,428,800 percent. The number of people 195 years of age or older has increased by 104,857,600 percent. The number of people 200 years of age or older has increased by 209,715,200 percent. The number of people 205 years of age or older has increased by 419,430,400 percent. The number of people 210 years of age or older has increased by 838,860,800 percent. The number of people 215 years of age or older has increased by 1,677,721,600 percent. The number of people 220 years of age or older has increased by 3,355,443,200 percent. The number of people 225 years of age or older has increased by 6,710,886,400 percent. The number of people 230 years of age or older has increased by 13,421,772,800 percent. The number of people 235 years of age or older has increased by 26,843,545,600 percent. The number of people 240 years of age or older has increased by 53,687,091,200 percent. The number of people 245 years of age or older has increased by 107,374,182,400 percent. The number of people 250 years of age or older has increased by 214,748,364,800 percent. The number of people 255 years of age or older has increased by 429,496,729,600 percent. The number of people 260 years of age or older has increased by 858,993,459,200 percent. The number of people 265 years of age or older has increased by 1,717,986,918,400 percent. The number of people 270 years of age or older has increased by 3,435,973,836,800 percent. The number of people 275 years of age or older has increased by 6,871,947,673,600 percent. The number of people 280 years of age or older has increased by 13,743,895,347,200 percent. The number of people 285 years of age or older has increased by 27,487,790,694,400 percent. The number of people 290 years of age or older has increased by 54,975,581,388,800 percent. The number of people 295 years of age or older has increased by 109,951,162,777,600 percent. The number of people 300 years of age or older has increased by 219,902,325,555,200 percent. The number of people 305 years of age or older has increased by 439,804,651,110,400 percent. The number of people 310 years of age or older has increased by 879,609,302,220,800 percent. The number of people 315 years of age or older has increased by 1,759,218,604,441,600 percent. The number of people 320 years of age or older has increased by 3,518,437,208,883,200 percent. The number of people 325 years of age or older has increased by 7,036,874,417,766,400 percent. The number of people 330 years of age or older has increased by 14,073,748,835,532,800 percent. The number of people 335 years of age or older has increased by 28,147,497,671,065,600 percent. The number of people 340 years of age or older has increased by 56,294,995,342,131,200 percent. The number of people 345 years of age or older has increased by 112,589,990,684,262,400 percent. The number of people 350 years of age or older has increased by 225,179,981,368,524,800 percent. The number of people 355 years of age or older has increased by 450,359,962,737,049,600 percent. The number of people 360 years of age or older has increased by 900,719,925,474,099,200 percent. The number of people 365 years of age or older has increased by 1,801,439,850,948,198,400 percent. The number of people 370 years of age or older has increased by 3,602,879,701,896,396,800 percent. The number of people 375 years of age or older has increased by 7,205,759,403,792,793,600 percent. The number of people 380 years of age or older has increased by 14,411,518,807,585,587,200 percent. The number of people 385 years of age or older has increased by 28,823,037,615,171,174,400 percent. The number of people 390 years of age or older has increased by 57,646,075,230,342,348,800 percent. The number of people 395 years of age or older has increased by 115,292,150,460,684,697,600 percent. The number of people 400 years of age or older has increased by 230,584,300,921,369,395,200 percent. The number of people 405 years of age or older has increased by 461,168,601,842,738,790,400 percent. The number of people 410 years of age or older has increased by 922,337,203,685,477,580,800 percent. The number of people 415 years of age or older has increased by 1,844,674,407,370,955,161,600 percent. The number of people 420 years of age or older has increased by 3,689,348,814,741,910,323,200 percent. The number of people 425 years of age or older has increased by 7,378,697,629,483,820,646,400 percent. The number of people 430 years of age or older has increased by 14,757,395,258,967,641,292,800 percent. The number of people 435 years of age or older has increased by 29,514,790,517,935,282,585,600 percent. The number of people 440 years of age or older has increased by 59,029,581,035,870,565,171,200 percent. The number of people 445 years of age or older has increased by 118,059,162,071,741,130,342,400 percent. The number of people 450 years of age or older has increased by 236,118,324,143,482,260,684,800 percent. The number of people 455 years of age or older has increased by 472,236,648,286,964,521,369,600 percent. The number of people 460 years of age or older has increased by 944,473,296,573,929,042,739,200 percent. The number of people 465 years of age or older has increased by 1,888,946,593,147,858,085,478,400 percent. The number of people 470 years of age or older has increased by 3,777,893,186,295,716,170,956,800 percent. The number of people 475 years of age or older has increased by 7,555,786,372,591,432,341,913,600 percent. The number of people 480 years of age or older has increased by 15,111,572,745,182,864,683,827,200 percent. The number of people 485 years of age or older has increased by 30,223,145,490,365,729,367,654,400 percent. The number of people 490 years of age or older has increased by 60,446,290,980,731,458,735,308,800 percent. The number of people 495 years of age or older has increased by 120,892,581,961,462,917,470,617,600 percent. The number of people 500 years of age or older has increased by 241,785,163,922,925,834,941,235,200 percent. The number of people 505 years of age or older has increased by 483,570,327,845,851,669,882,470,400 percent. The number of people 510 years of age or older has increased by 967,140,655,691,703,339,764,940,800 percent. The number of people 515 years of age or older has increased by 1,934,281,311,383,406,679,529,881,600 percent. The number of people 520 years of age or older has increased by 3,868,562,622,766,813,359,059,763,200 percent. The number of people 525 years of age or older has increased by 7,737,125,245,533,626,718,119,526,400 percent. The number of people 530 years of age or older has increased by 15,474,250,491,067,253,436,239,052,800 percent. The number of people 535 years of age or older has increased by 30,948,500,982,134,506,872,478,105,600 percent. The number of people 540 years of age or older has increased by 61,897,001,964,269,013,744,956,211,200 percent. The number of people 545 years of age or older has increased by 123,794,003,928,538,027,489,912,422,400 percent. The number of people 550 years of age or older has increased by 247,588,007,857,076,054,979,824,844,800 percent. The number of people 555 years of age or older has increased by 495,176,015,714,152,109,959,649,689,600 percent. The number of people 560 years of age or older has increased by 990,352,031,428,304,219,919,299,379,200 percent. The number of people 565 years of age or older has increased by 1,980,704,062,856,608,439,838,598,758,400 percent. The number of people 570 years of age or older has increased by 3,961,408,125,713,216,879,677,197,516,800 percent. The number of people 575 years of age or older has increased by 7,922,816,251,426,433,759,354,395,033,600 percent. The number of people 580 years of age or older has increased by 15,845,63





1 PROPOSED FLOOR PLAN
1/4\" = 1'-0"

NO.	REVISION	DATE

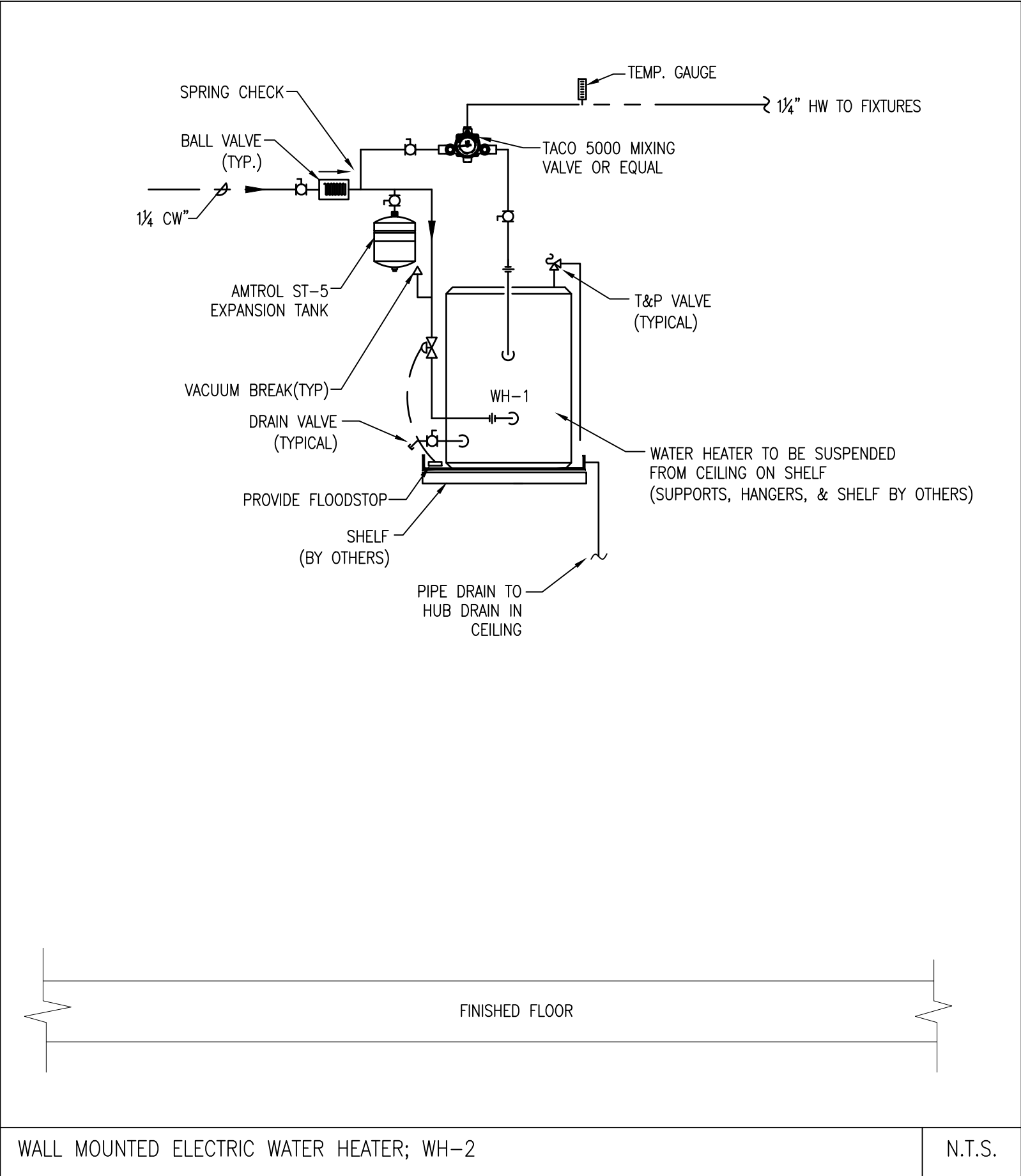
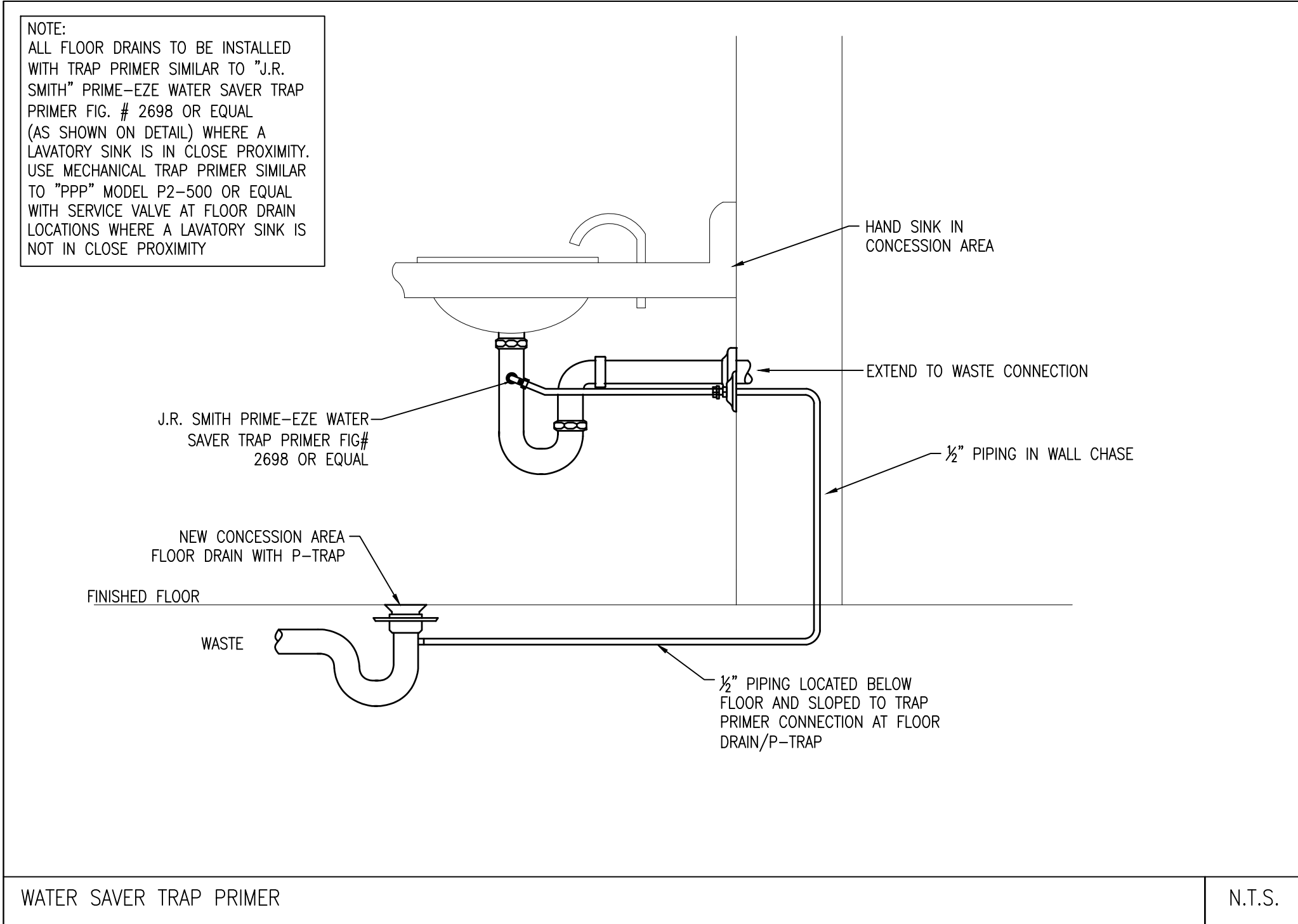
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www.kyzezick.com

ARCHITECT
bh+a
Bargmann Hendrie + Archetype, Inc.
9 Channel Center Street
Boston, MA 02210
617 350-0450 Tel

CONSTRUCTION DOCUMENTS

Job Number:	
Project:	ARLINGTON RES.
Drawn By:	KS
Checked By:	PP
Date:	NOVEMBER 10, 2020
Scale:	
Drawing Title:	

Bathhouse
Sheet Name
Plumbing Plan



SCHEDULE OF WATER HEATER			
DESIGNATION	NAME	LOCATION	DESCRIPTION
WH-1	ELECTRIC TANK TYPE	AS NOTED	"STATE" EN6-40-DORS ELECTRIC TANK TYPE WATER HEATER, SIDE PIPING CONNECTIONS, 240V, 6000 WATTS, 55 GALLON FIRST HOUR RATING, 21 GALLONS PER HOUR RECOVERY @ 90° RISE

SCHEDULE OF FLOOR DRAINS AND FLOOR CLEANOUTS			
DESIGNATION	NAME	LOCATION	DESCRIPTION
FD-1	FLOOR DRAIN	AS SHOWN	JR SMITH 2210 SERIES FLOOR DRAIN WITH SEDIMENT BUCKET

SCHEDULE OF HOSE BIBBS			
DESIGNATION	SIZE	LOCATION	DESCRIPTION
HB-1	1/2"	AS NOTED	WOODFORD MODEL 24 ANTI-SIPHON WALL HYDRANT WITH TEE KEY
HB-2	1/2"	AS NOTED	WOODFORD MODEL 65 ANTI-SIPHONE WALL HYDRANT WITH TEE KEY

ARLINGTON
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CONSTRUCTION DOCUMENTS	
Job Number:	
Project: ARLINGTON RES.	
Drawn By: KS	Checked By: PP
Date: NOVEMBER 10, 2020	
Scale:	
Drawing Title:	
Bathhouse Plumbing Sheet Name Schedules & Details	
P200	

PART 1 – GENERAL

1.1 GENERAL CONDITIONS

- A. Division 1, General Conditions are hereby made part of this specification by reference.
- B. No materials or supplies for the work shall be purchased by the Contractor or by any Subcontractor subject to any chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller. The Contractor warrants that he has good title to all materials and supplies used by him in the work, free from all liens, claims or encumbrances.
- C. Examine all Drawings and all sections of the Specifications affecting the work of this section.

1.2 GENERAL

- A. The HVAC Contractor shall coordinate with other contractors.
- B. Drawings are diagrammatic only, and do not necessarily show all required offsets, elbows and other fittings that may be required. Final routing or ductwork, piping and equipment locations shall be determined in the field.
1. Changes to ductwork, piping and equipment that will be exposed shall be approved by the architect.
- C. The HVAC Contractor shall coordinate all electrical and plumbing requirements with the electrical and plumbing contractors.
- D. Refer to architectural plans for final locations of diffusers, registers, grilles and exposed ductwork.
- E. The HVAC Contractor shall furnish and install all incidental accessories necessary to make the HVAC work complete and ready for operation.
- F. All HVAC work shall be in accordance with applicable federal, state and local codes.
- G. The HVAC Contractor shall obtain and pay for all required permits and inspections.
- H. All equipment, materials and related system components shall be new unless specifically noted.
- I. All HVAC equipment shall be installed in accordance with the manufacturer's recommendations.
- J. The HVAC Contractor shall furnish to the General Contractor all information required for setting of wall, roof and partition openings for HVAC work. This information shall be furnished in a timely manner such that the construction schedule is not jeopardized.

1.3 GENERAL REQUIREMENTS FOR SHEETMETAL DUCTWORK

- A. All ductwork shall be constructed in accordance with the latest SMACNA standards.
- B. All ductwork indicated on the drawings is to be considered as shown in schematic. Changes in duct size to clear obstructions or to accommodate field conditions caused by the work of other trades, not shown on the drawings, shall be made, where necessary to conform to the actual space conditions and shall be provided at no additional cost to the owner. No duct changes shall be fabricated until after written approval of the modified or original shop drawings by the Engineer.
- C. It shall be this Contractor's responsibility to field verify all dimensions and to coordinate his work with the work of other trades. Locations and placement of ducts shall be coordinated with the work of the other trades before any ductwork is fabricated or installed.

1.4 SHOP DRAWINGS AND SUBMITTALS

- A. Provide copies of submittal data for approval to the architect as required in the General Conditions section of the specifications.
- B. Submit complete manufacturer's product description and technical information for the following:
1. Fans
2. Testing, Adjusting and Balancing information

1.5 SUBSTITUTION OF MATERIALS OR EQUIPMENT

- A. Named manufacturers for any equipment specified herein or identified on the drawings are identified for the purpose of identifying quality standards, performance information or type. Any substitution as "or equal" shall be considered. The Architect shall determine whether or not the offered equipment is equal to the specified. Where dimensional constraints exist the HVAC Sub-Contractor shall be responsible for any extra costs associated with extra work required to make the "or equal" equipment fit.

1.6 FEES AND PERMITS

- A. The HVAC Sub-Contractor and related Sub-Contractors shall apply for, obtain and pay for all required permits, inspections, certificates, and incidental charges required for proper performance of the work, and shall furnish the Architect with copies of applications and all correspondence.

1.7 OPERATION AND MAINTENANCE INSTRUCTIONS

- A. The contractor shall provide three (3) copies of an operations and maintenance manual, bound, indexed and titled in an 8½"x11" post binder (not a three-ring loose-leaf type binder).
- B. The manual shall contain the following:
1. Fans

1.8 WARRANTIES

- A. Submit manufacturers standard replacement warranties for material and equipment furnished under this Section. Such warranties shall be in addition to and not in lieu of all liabilities which the manufacturer and the HVAC Sub-Contractor and related Sub-Contractors may have by law or by provisions of the Contract Documents.
- B. Guarantee that all elements of each system meet the specified performance requirements as set forth herein or as indicated on the Drawings.
- C. Upon receipt of notice from the Owner of the failure of any part of the systems during the guarantee period, the affected parts shall be replaced. Any equipment requiring excessive service shall be considered defective and shall be replaced.

1.9 BALANCING

- A. The Contractor shall perform the services of testing, adjusting, and balancing of the heating, ventilating, and air conditioning systems.

- B. The Contractor shall check and adjust all HVAC systems to produce the performance specified by the construction documents and to achieve total system balance. The Contractor shall be certified by an appropriate air balance council.
- C. The Contractor shall furnish all certified engineers, instruments, and provide personnel, trained and experienced, to test, adjust and balance all airtide systems and related automatic temperature control systems, and shall submit system performance reports.

1.10 DEMOLITION

- A. The HVAC Subcontractor is responsible for addressing items related to heating, cooling and ventilation system components noted on the plans as being "demolished" or "removed". The HVAC Subcontractor shall disconnect, drain and cap existing items shown to remain, and inactivate and disconnect from the building and from other equipment such items that are shown to be removed.
- B. The HVAC Subcontractor is responsible for removing all equipment, ductwork and piping supports where these items are removed, to and through the point of connection to the building construction.
- C. Refer to Section 02 41 00 – Demolition for general requirements.

2 PART 2 - PRODUCTS

2.1 MATERIALS

- A. All materials, except as otherwise specified, shall be new, of current production, first quality and the best of each class specified.
- B. Required materials not covered by detailed specifications shall be of a suitable class, grade, quality and type and shall be subject to the approval of the Architect. Where two or more units of the same class of equipment are required, these units shall be the products of a single manufacturer.
- C. All equipment shall be installed and constructed to operate safely, as designed, without leakage, undue wear, noise, vibration or corrosion.

2.2 ROOF MOUNTED EXHAUST FANS

- A. Fans shall be equal to the fans indicated in the schedule.

3 PART 3 - EXECUTION

3.1 HVAC SUB-CONTRACTOR'S WARRANTY

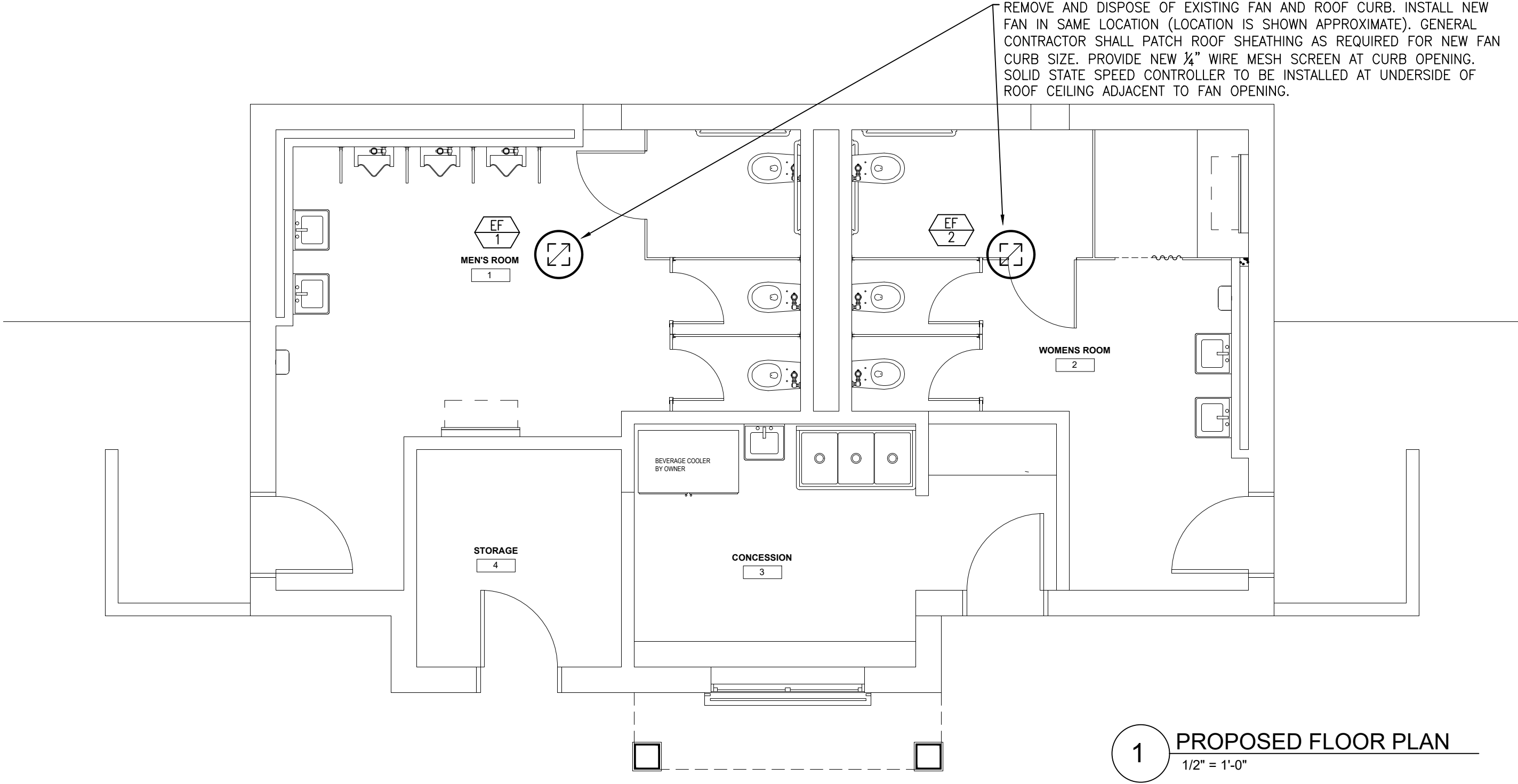
- A. The HVAC Sub-Contractor shall provide a one year warranty against failure of the installed materials for any reason. The warranty shall cover the full costs of parts and labor required to remedy the defect, including, if necessary, replacement at the site, and shall run from the date of the Architect's acceptance of the system. The warranty shall also include provision for field inspection at no charge to the Owner, to verify failure, establish probable cause, and determine corrective action required. The HVAC Sub-Contractor shall furnish all service during the first year of operation. Any material, that in the opinion of the architect, requires excessive service during the first year of operation shall be considered defective and will be replaced by the HVAC Sub-Contractor at no charge to the Owner.
- B. The HVAC Sub-Contractor shall provide a listing of all manufacturers' commercial warranties provided by those manufacturers on their Materials. The list of these warranties must include the time period of each warranty. One copy each of those warranties shall be submitted with the listing.
- C. The HVAC Sub-Contractor shall be responsible for warranting the testing, adjusting and balancing work for a period of one year after final date of completion. The HVAC Sub-Contractor shall also be responsible for all damage to existing systems as a result of the work performed. All damaged systems shall be repaired or replaced at the option of the Owner at no additional cost to the Owner. All such repair or replacement work shall be done immediately upon finding.
- D. Warranty response to any malfunction shall be on a next day, normal working hour basis.
- E. Work under warranty shall be performed by fully qualified workmen and/or technicians.
- F. All guarantees and warranties required to be provided for the work in this Section shall begin their term on the date of final written acceptance of the entire system by the Owner.

3.2 PERFORMANCE

- A. The drawings are diagrammatic and the final arrangement of the work shall suit the existing and field conditions, the characteristics of the materials used and the instructions of the Engineer and/or the Architect.
- B. The HVAC Sub-Contractor shall be responsible for repair of damaged or disturbed existing work or the work of other trades caused by his work, testing of his work or repair to his work.
- C. All devices shall be installed in accordance with the manufacturer's recommendations, the Engineer's instructions and so as to provide all required access for cleaning, operation, repair and maintenance.

3.3 FINAL ACCEPTANCE

- A. The HVAC Sub-Contractor shall leave all system components in proper working order, such as belt guards in place, access doors closed, doors to electrical switch boxes closed, thermostats restored to specified setting. All recorded data shall represent a true, actually measured, or observed condition. Any abnormal conditions in the mechanical systems or conditions that prevent total system balance shall be reported to the Architect immediately upon finding. The HVAC Sub-Contractor shall permanently mark all dampers and other adjustment devices in a manner that will allow the settings to be restored.
- B. The HVAC Sub-Contractor shall verify that all air systems are in compliance with all standards, such as ASHRAE minimum outside air, and all other applicable codes and requirements.
- C. The HVAC Sub-Contractor shall make any necessary changes in fan speed.



FANS SCHEDULE								
TAG	SERVICE	CFM	HP	SP (IN)	RPM	VOLTAGE	MANUFACTURER / MODEL NO.	REMARKS
EF-1	MENS	300	1/15	0.25	1057	120/1/60	GREENHECK / G-090-D	ROOF CURB FOR PITCHED ROOF, BIRD SCREEN, SOLID STATE SPEED CONTROLLER, CONTROLLED BY WALL SWITCH
EF-2	WOMENS	300	1/15	0.25	1057	120/1/60	GREENHECK / G-090-D	

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CONSTRUCTION DOCUMENTS

Job Number:
Project: ARLINGTON RES.
Drawn By: JW Checked By: JW
Date: NOVEMBER 10, 2020
Scale:
Drawing Title:


Bathhouse HVAC
Sheet Name

H100


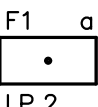




GENERAL NOTES
1. THE SIZES OF ELECTRICAL RACEWAY SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS AND SHALL MEET THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. MINIMUM WIRE SIZE SHALL BE #12 SOLID AWG FOR 20A LIGHTING/ RECEPTACLE BRANCH CIRCUIT; #12 AWG SOLID FOR #20A APPLIANCE BRANCH CIRCUITS; #10 SOLID AWG FOR 30A DRYER BRANCH CIRCUIT; #8 STRANDED AWG FOR 40 TO 50A; RANGE CIRCUIT.
3. MINIMUM WIRE SHALL BE #12 FOR BRANCH CIRCUIT RUNS UP TO 100' TO THE LAST OUTLET; OVER 100'-#10; OVER 150'-#8 AND INCREASE CONDUIT SIZE AS REQUIRED BY LOCAL ELECTRICAL CODE.
4. ALL WIRING INSTALLATION SHALL BE COLOR CODED AS PER CODE. CONDUCTORS SIZED #10 AND LOWER SHALL BE SOLID; #8 AND HIGHER STRANDED.
5. ALL WIRING DEVICES, PANEL BOARDS, DISTRIBUTION BOARDS, MOTORS, ETC., SHALL BE GROUNDED AS PER LOCAL ELECTRIC CODE.
6. ALL WORK SHALL BE INSTALLED IN FULL ACCORDANCE WITH LOCAL CODES, STATE AND LOCAL AUTHORITIES. FILE ALL PLANS, OBTAIN ALL PERMITS, PAY ALL FEES, SCHEDULE ALL INSPECTIONS, MAKE ALL TESTS AND OBTAIN ALL APPROVALS REQUIRED. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF NATIONAL ELECTRIC CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. ALL COMPONENTS SHALL BE UL APPROVED AND LISTED.
7. WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, SPECIFICATIONS, & LAWS & ORDINANCES, THE MOST STRINGENT SHALL APPLY.
8. SUBMIT FOR APPROVAL, COMPLETE SHOP DRAWINGS, LIST OF MATERIALS AND DETAILED DATA OF EQUIPMENT GIVING THE MANUFACTURERS NAME, CATALOG NUMBER, SIZE, CAPACITY AND DIMENSIONS. NO EQUIPMENT SHALL BE INSTALLED OR FABRICATED WITHOUT OBTAINING APPROVAL.
9. ALL MOTORS SHALL BE SUPPLIED WITH MOTOR STARTERS BY OTHERS UNLESS CLEARLY INDICATED OTHERWISE ON THE CONTRACT DOCUMENTS. SHORT CIRCUIT PROTECTION SHALL BE BY MCP OR FUSED DISCONNECT SWITCH AS SHOWN OR SPECIFIED.
10. MANUALLY CONTROLLED SINGLE PHASE MOTORS SHALL HAVE FULLY RATED MANUAL MOTOR STARTER SWITCHES WITH O.L. HEATERS IN EACH UNGROUNDED LEG.
11. CIRCUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. CONDUITS AND CABLES SHALL BE INSTALLED PARALLEL TO BEAMS AND WALLS.
12. CABLES/CONDUCTORS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO MOTORS AND OTHER EQUIPMENT.
13. THE QUANTITY AND SIZE OF WIRES AND CONDUIT SHOWN ON DRAWINGS AND WIRING DIAGRAMS REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS.
14. SWITCHES SHALL BE MOUNTED 4'-0" MAX ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. RECEPTACLES SHALL BE MOUNTED 1'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
15. ALL PANELBOARDS SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'-7".
16. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LIGHT FIXTURE LOCATIONS. LIGHTING FIXTURES SHALL BE MOUNTED ACCORDING TO THE MOUNTING HEIGHT GIVEN ON THE ARCHITECTURAL DRAWINGS, WITH THE DISTANCE BEING MEASURED FROM THE BOTTOM OF THE LIGHTING FIXTURE TO THE FINISHED FLOOR.
17. THE HVAC CONTROL EQUIPMENT AND MISCELLANEOUS DEVICES, OUTLET, SWITCHES, JUNCTION, PULL AND TERMINAL BOXES SHALL BE PROVIDED WITH NEMA ENCLOSURE SUITABLE TO THE ENVIRONMENT.
23. CONDUIT FOR WIRING CONCEALED IN FLOOR SLABS, OR BELOW GRADE SHALL BE 1" MINIMUM PVC.
24. CONFIRM EXACT POWER REQUIREMENTS AND CONNECTION LOCATIONS FOR ALL EQUIPMENT PRIOR TO INSTALLATION WITH PLUMBING,HVAC AND GENERAL CONTRACTOR.
25. COORDINATE THE CENTER-LINE OF ALL OUTLET BOXES, SPECIFIC LOCATION AND ROUGH WIRING PRIOR TO INSTALLING DEVICES FOR ALL APPLIANCES AND EQUIPMENT. REFER TO THE ARCHITECTS DRAWINGS AND MANUFACTURERS SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
26. WORK SHALL COORDINATE WITH THAT OF OTHER TRADES TO MINIMIZE CONFLICTS AND ELIMINATE INTERFERENCES.
27. EXACT LOCATION OF MECHANICAL AND PLUMBING SYSTEM EQUIPMENT SHALL BE VERIFIED WITH THE APPROPRIATE CONTRACTOR PRIOR TO INSTALLING THE SYSTEMS.
28. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND THE CONTRACTOR SHALL KEEP HIS PORTION OF THE WORK CLEAN AND ORDERLY.
29. ALL 20A; GFCI RECEPTACLES INSTALLED OUTDOORS IN WET OR DAMP LOCATIONS SHALL BE LISTED WEATHER-RESISTANT.
30. PROVIDE RAIN-TIGHT WHILE IN USE COVERS ON ALL OUTDOOR GFCI RECEPTACLES.
31. ALL EXTERIOR DISCONNECTS ARE TO BE NEMA-3R.


LIGHTING SCHEDULE GENERAL NOTES (SCHEDULE ON SHEET E2.0): ALL FIXTURES INSTALLED IN OR AROUND FIRE RATED OR IC RATED ASSEMBLIES ARE TO BE EQUIPPED WITH RATED BOXES BY TENMAT (SIZE TO SUIT FIXTURE) IF NOT INHERENTLY RATED. THE ELECTRICAL CONTRACTOR IS TO VERIFY THE VOLTAGE OF THE FIXTURE WITH THE CIRCUIT AVAILABLE PRIOR TO ORDERING. MOUNTING HEIGHTS, MOUNTING OPTIONS, FINISHES AND OPTIONS ARE TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO ORDERING THE FIXTURES. FIXTURES SHOWN ON ARCHITECTURAL PLANS OVER-RIDE THOSE SHOWN ON THE ELECTRICAL PLAN. REVIEW BOTH PLANS AND PROVIDE THE LARGER QUANTITY OF EACH TYPE. CLARIFICATION IS TO BE OBTAINED, PRIOR TO BID, REGARDING ANY QUESTIONS RELATED TO THE LIGHTING SYSTEM. THE E.C. IS TO COMPLETE THE INSTALLATION OF ANY ADDITIONAL LIGHTING CONTROLS SUCH AS OCCUPANCY SENSORS, ETC. THAT ARE INCLUDED WITH THE FIXTURE PACKAGE. ALL LAMPING AND FIXTURE WHIPS ARE TO BE INCLUDED.

BRANCH CIRCUIT WIRING




















1. ALL BRANCH CIRCUIT WIRING SHALL BE COPPER – TYPE AS LISTED IN THE SPECIFICATIONS UNLESS OTHERWISE NOTED.
2. FOR CLARITY, ALL BRANCH CIRCUIT WIRING IS NOT SHOWN, HOWEVER A COMPLETE BRANCH CIRCUIT WIRING SYSTEM IS TO BE INSTALLED IN ACCORD WITH THE DEVICES AND CIRCUIT NUMBERS SHOWN.
3. WIRING SHOWN ON DRAWINGS IS FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS
4. ALL BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NO SHARED NEUTRALS WILL BE ALLOWED. A GREEN GROUNDING CONDUCTOR SHALL BE RUN WITH ALL CIRCUITS..
5. TYPICAL CIRCUITING
 "A" DENOTES FIXTURE TYPE, "P1A,33" DENOTES PANEL & CIRCUIT NUMBER, "b" DENOTES SWITCH CONTROL. ALTERNATIVELY CIRCUITING MAY BE LOOPED

MEP COORDINATION	
1. ALL ELECTRICALLY POWERED HVAC, PLUMBING AND FIRE PROTECTION EQUIPMENT SHALL BE PROVIDED WITH LOCAL DISCONNECT SWITCHES. THE SWITCHES SHALL BE PROVIDED BY THE E.C. UNLESS NOTED OTHERWISE.	
2. ALL MOTOR STARTERS SHALL BE FURNISHED BY THE HVAC, PLUMBING OR FIRE PROTECTION SUBCONTRACTOR (TO DIVISION 16 SPECIFICATION REQUIREMENTS). INSTALLED AND WIRED BY THE E.C. STARTERS WILL BE MAGNETIC ACROSS THE LINE (AMBIENT COMPENSATED MOTOR OVERLOAD HEATERS IN ALL CURRENT CARRYING CONDUCTORS) WITH HOA SWITCH. MANUAL TOGGLE TYPE FOR SINGLE PHASE MOTORS WHICH DO NOT REQUIRE AUTOMATIC CONTROL.	
3. SPEED CONTROL: LINE VOLTAGE SPEED CONTROL SWITCHES FOR FRACTIONAL HORSEPOWER MOTORS THAT REQUIRE SPEED CONTROL SHALL BE SUPPLIED BY THE HVAC CONTRACTOR AND INSTALLED AND WIRED BY THE E.C.	
4. THERMOSTATS ARE SHOWN ON THE MECHANICAL PLAN – PROVIDE FOR EACH THERMOSTAT PER THE LEGEND (<table><tr><td>Ⓢ</td></tr></table> SYMBOL).	Ⓢ
Ⓢ	
5. ALL DISCONNECTS FOR MECHANICAL UNITS ARE TO BE MOUNTED SECURELY TO THE FLOOR / STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS.	

LIGHTING LEGEND	
SYMBOLS	DESCRIPTION
\$	20A, 120/277 VAC SINGLE POLE, TOGGLE SWITCH – FLUSH WALL MOUNTED.
\$3	3-WAY SWITCH
	LIGHTING CONTROLS WITH PHOTOCELL OVER-RIDE FOR LIGHTING. LIGHTING TO BE PROGRAMMED USING TIMER WITH THE PHOTOCELL SERVING AS AN OVER-RIDE
	2x4 FLUORESCENT LIGHTING FIXTURE CEILING OR RECESSED MOUNTED. "F1" INDICATES FIXTURE TYPE, "LP,2" INDICATES CIRCUIT NUMBER, "o" INDICATES SWITCH CONTROL
	ROUND FIXTURE – SEE FIXTURE SCHEDULE FOR EXACT TYPE
	WALL MOUNTED FIXTURE
	SURFACE MOUNTED FIXTURE – SEE SCHEDULE FOR EXACT TYPE
\$U	WALL MOUNTED ULTRASONIC MOTION DETECTOR/SENSOR, SINGLE CIRCUIT – USE WATTSTOPPER UW-100 OR APPROVED EQUAL MANUFACTURER
	DUAL TECHNOLOGY OCCUPANCY SENSOR WITH SYMETRIC DISTRIBUTION WITH POWER PACK AND MOUNTING ACCESSORIES – USE WATTSTOPPER #01-300 OR APPROVED EQUAL MANUFACTURER
FIXTURE TYPES AS SCHEDULED IN THE LIGHTING SCHEDULE.	

COMMUNICATIONS LEGEND	
SYMBOLS	DESCRIPTION
	DATA/TELEPHONE OUTLET WITH 3/4" CONDUIT AND (2) CAT-6 CABLES (TERMINATED ON BOTH ENDS) RUN TO THE TELEPHONE BACKBOARD

LIGHTING GENERAL NOTE: REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT FIXTURE LOCATIONS – ARCHITECTURAL LOCATIONS OVER-RIDE THE LOCATIONS SHOWN ON THE ELECTRICAL PLANS.

POWER LEGEND	
SYMBOLS	DESCRIPTION
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DOUBLE DUPLEX RECEPTACLE. FLUSH WALL MOUNTED.
 X	RECEPTACLE, DUPLEX GFCI
 WP	DUPLEX GFCI RECEPTACLE MOUNTED 6\"
	DUPLEX GFCI RECEPTACLE WITH WEATHER PROOF COVER/BOX
	SPECIALTY OUTLET, MATCH OUTLET TYPE TO EQUIPMENT
	SURFACE PANEL – SEE RESPECTIVE SCHEDULE.
	FLUSH PANEL – SEE RESPECTIVE SCHEDULE.
	HOMERUN TO PANEL
	FUSED DISCONNECT SWITCH, FUSE SIZE TO MATCH MFR. RECOMMENDATIONS
	NONFUSABLE DISCONNECT SWITCH
	SAFETY SWITCH, HORSEPOWER RATED
	JUNCTION BOX
	FAN
	MOTOR
	PUMP
	CONNECTION TO GROUND
	120 VOLT CARBON MONOXIDE DETECTOR – LOCAL ALARM ONLY
	ELECTRICITY USAGE METER

<p>8'-6"</p> <p>4'-6"</p> <p>4'-0"</p> <p>1'-6"</p> <p>44" MAX</p> <p>FINISHED FLOOR</p> <p>NOTES</p> <p>1.) ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS</p> <p>2.) DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.</p> <p>3.) ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED.</p> <p>4.) REFER TO THE ARCHITECTS ELEVATION DETAILS FOR EXACT HEIGHT AND LENGTH OF SURFACE RACEWAYS.</p>	MOUNTING HEIGHT DETAIL	N.T.S.
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LIGHT FIXTURE SCHEDULE		
KEY	MANUF.	CATALOG NO
AA	EUREKA	3419-LED-35-80-120-DV-EMB-FINISH-3981EA (WITH EMERGENCY)
C (-EMB)	LITHONIA	FEM-L48-6000LM-IMAFL-MD-MVOLT-GZ10-35K-80CRI-MOUNT (-BE6WCP FOR EMB)
D	GOTHAM	EV04SH-35K-07-DFF-SMO-MVOLT-EZ10
CF1	KICHLER	330150MWH-WITH NO LED LIGHT (INCLUDE PLATE FOR COVER)
CF2	LEADING EDGE	48201-28002-MOUNT (WITH CAGE)

GENERAL NOTES:	<p>1. COORDINATE THE CENTER-LINE OF ALL OUTLET BOXES, SPECIFIC LOCATION AND ROUGH WIRING PRIOR TO INSTALLING DEVICES FOR ALL EQUIPMENT AND DEVICES. REFER TO THE ARCHITECTS DRAWINGS AND MANUFACTURERS SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.</p> <p>2. MAIN ELECTRIC SERVICE SHALL BE INSTALLED AS SHOWN ON THE PLANS. UTILITY METER STANDARDS SHALL BE FOLLOWED ALONG WITH THE NATIONAL ELECTRIC CODE, STATE AND LOCAL REQUIREMENTS. VERIFY INSTALLATION REQUIREMENTS WITH UTILITY REPRESENTATIVE PRIOR TO ROUGH-IN.</p> <p>3. WORK SHALL COORDINATE WITH THAT OF OTHER TRADES TO MINIMIZE CONFLICTS AND ELIMINATE INTERFERENCES.</p> <p>4. THE CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF WORK TO BE PERFORMED PRIOR TO BIDDING AND VERIFY ANY DIMENSIONS OF RELEVANT WORK TO BE BID.</p> <p>5. ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND THE CONTRACTOR SHALL KEEP HIS PORTION OF THE WORK CLEAN AND ORDERLY.</p> <p>6. ALL WORK SHALL CONFORM TO THE MASS ELECTRICAL CODE, NATIONAL ELECTRIC CODE AND THE LOCAL AUTHORITIES HAVING JURISDICTION.</p> <p>7. PROVIDE SLEEVES IN WALLS AND FOUNDATION WALLS REQUIRED TO INSTALL THE WORK SHOWN ON THE DRAWINGS.</p>

SUBSCRIPTS & ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER (GFCI)
LV	LOW VOLTAGE
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
W	WALL MOUNTED
WP	WEATHER PROOF
X	ABOVE COUNTER TOP

ARLINGTON RENOVATIONS TO EXISTING BUILDINGS

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON

NO.	REVISION	DATE

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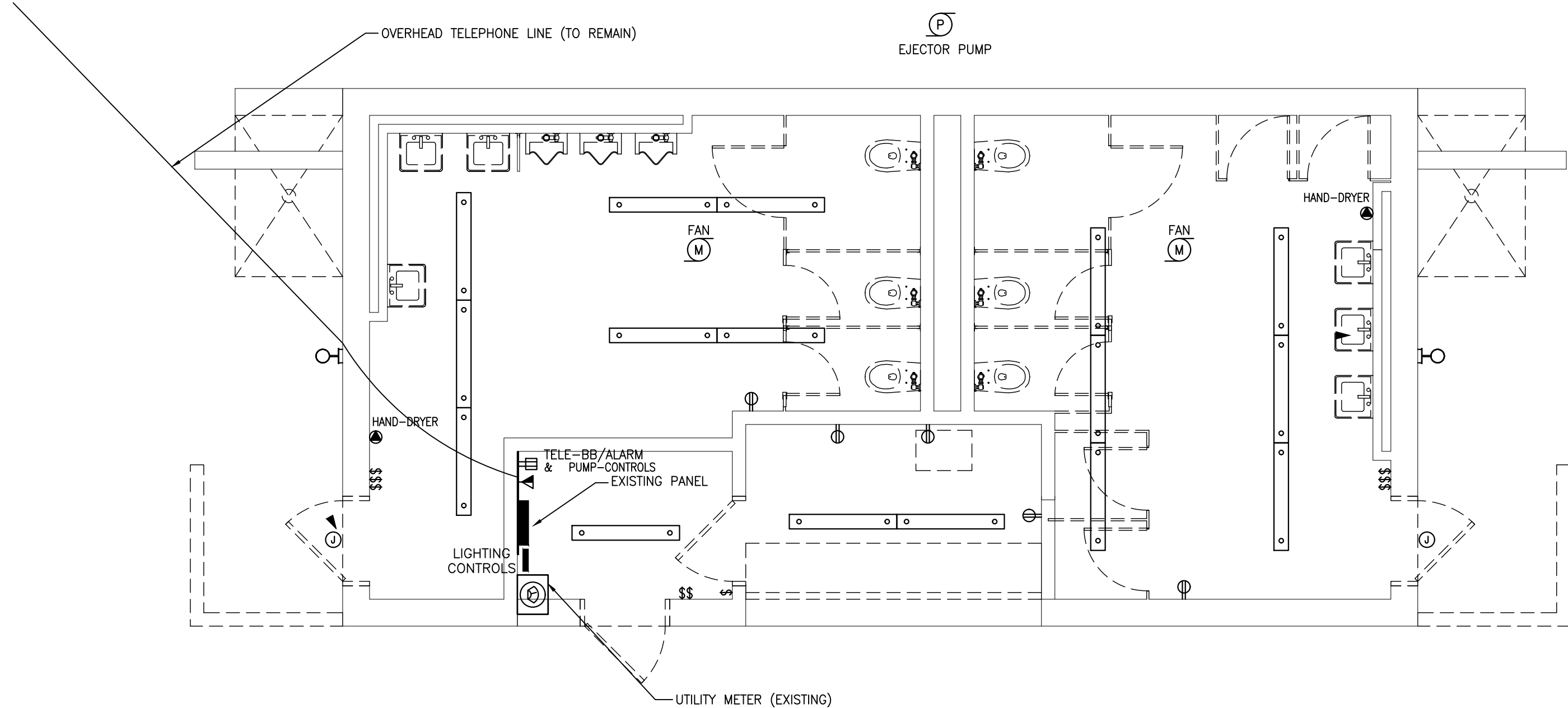
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CONSTRUCTION DOCUMENTS

Job Number:	
Project: ARLINGTON RES.	
Drawn By: RB	Checked By: AP
Date: NOVEMBER 10, 2020	
Scale:	
Drawing Title:	

Bathhouse Electrical Legend, Sheet Name, Details & Notes

E000

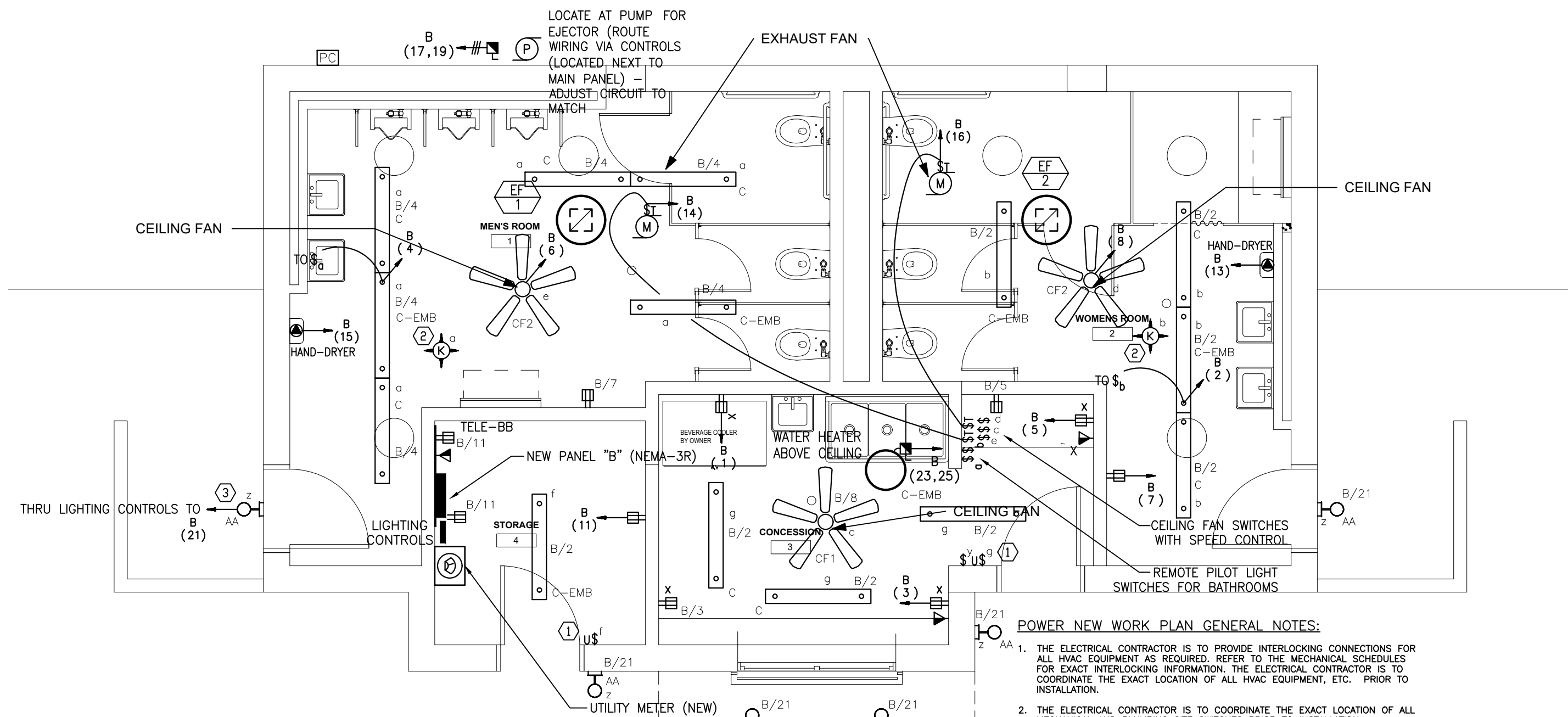


ELECTRICAL DEMOLITION GENERAL NOTES:

- ALL RECEPTACLES, DATA OUTLETS, AND HVAC DISCONNECTS, ETC. IN THE AREA OF WORK ARE TO BE REMOVED UNLESS OTHERWISE NOTED ON THE PLAN. THE ASSOCIATED WIRING IS TO BE MADE-SAFE AND REMOVED BACK TO THE SOURCE. WIRING IS TO BE LABELED WITH CIRCUIT NUMBERS AND PANEL IDENTIFIERS.
- INTERIOR LIGHTS AND CORRESPONDING SWITCHES IN THE AREA OF WORK ARE TO BE REMOVED UNLESS OTHERWISE NOTED. FIXTURES ARE TO BE DISPOSED OF IN A MANNER APPROVED BY THE ENVIRONMENTAL PROTECTION AGENCY OR REUSED (SEE NOTES ON PLAN). THE ASSOCIATED WIRING & CONTROLS ARE TO BE REMOVED BACK TO THE ELECTRICAL PANEL.
- ALL UNUSED WALL BOXES (LEFT FROM SWITCHES REMOVED, RECEPTACLES, ETC.) ARE TO BE REMOVED.
- ALL HOLES LEFT BY REMOVED FIXTURES, BOXES, ETC. ON EXISTING-TO-REMAIN WALLS AND CEILINGS ARE TO BE FILLED AND FINISHED TO MATCH NEW/EXISTING CONDITIONS BY THE GENERAL CONTRACTOR.
- ALL ELECTRICAL WORK IN THE SPACES SERVED OUTSIDE THE AREA OF WORK INCLUDING EMERGENCY LIGHTING, CONDUITS ARE EXISTING TO REMAIN. WORK IS TO BE SECURED AND PROTECTED AND TO REMAIN PER EXISTING CONDITIONS.
- THE E.C. IS TO PERFORM A WALK-THROUGH OF THE BUILDING PRIOR TO PRICING AND VERIFY THE EXACT WORK REQUIRED FOR DEMOLITION SERVICES IN THE AREA OF WORK.
- ALL PENETRATIONS (NEW AND EXISTING) OF THE FIRE RATED BARRIERS SHALL BE FIRE STOPPED USING U.L. APPROVED METHODS AND MATERIALS.
- SAFE DISCONNECTION OF ELECTRICAL UTILITIES IS TO BE PERFORMED BY THE ELECTRICAL CONTRACTOR FOR WORK IN THIS AREA.
- EXACT LOCATIONS FOR EXISTING LIGHT FIXTURES, DEVICES, AND BOXES ARE TO BE FIELD VERIFIED PRIOR TO BID. ALL ITEMS TO BE DEMOLISHED ARE NOT NECESSARILY SHOWN ON THIS PLAN.
- IT IS INTENDED THAT ALL NEW CONDUIT, WIRE, DISCONNECTS, ETC. ARE TO BE INSTALLED TO THE NEW WORK & HVAC AND MECHANICAL EQUIPMENT. ANY UNUSED OR ABANDONED DISCONNECTS, WIRE, CONDUIT, ETC. FOR REMOVED EQUIPMENT ARE TO BE COMPLETELY REMOVED BY THE COMPLETION OF THE DEMO-WORK.
- ALL UNUSED / ABANDONED ELECTRICAL WORK SHALL BE COMPLETELY REMOVED AS PART OF THE SCOPE.
- COORDINATE ITEMS TO BE SALVAGED WITH THE OWNER PRIOR TO DEMOLITION.

ALL DEVICES TO REMAIN ARE TO REMAIN ACTIVE EVEN WHEN A DEVICE TO REMAIN SHARES A COMMON CIRCUIT WITH A DEVICE TO BE REMOVED.

1 DEMO FLOOR PLAN
1/2" = 1'-0"



LIGHTING NEW WORK PLAN GENERAL NOTES:

- LIGHTING CONTROLS (TIMERS AND OCCUPANCY SENSORS) ARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- ALL LIGHT FIXTURES LOCATIONS ARE TO BE COORDINATED WITH ARCHITECTURAL PLANS. LIGHT FIXTURE LOCATIONS ARE TO BE COORDINATED WITH DUCTWORK, EQUIPMENT, ETC.
- EMERGENCY CIRCUITS POWERING EMERGENCY BATTERY UNITS SHALL BE UNSWITCHED/UNCONTROLLED.

LIGHTING NEW WORK PLAN KEYNOTES:

- THE TIMERS ON THIS CIRCUIT ARE TO BE PROGRAMMED FOR 30 MINUTES.
- THE LIGHT FIXTURES ON THIS CIRCUIT ARE TO BE CONTROLLED BY THE OCCUPANCY SENSORS(S) SHOWN IN THE SAME AREA. THE WALL SWITCHES ARE TO SERVE AS MANUAL OFF OVER-RIDES.
- THE LIGHT FIXTURES ON THIS CIRCUIT ARE TO BE CONTROLLED BY AN INTERMATIC RETROFITTER TIMER WITH PHOTOCELL OVER-RIDE (PROGRAMMED PER THE OWNER). UNSWITCHED CONDUCTORS ARE TO BE RUN TO THE RELAY AS REQUIRED TO PROVIDE EMERGENCY FUNCTIONALITY UPON POWER LOSS.

1 PROPOSED FLOOR PLAN
1/4" = 1'-0"

POWER NEW WORK PLAN GENERAL NOTES:

- THE ELECTRICAL CONTRACTOR IS TO PROVIDE INTERLOCKING CONNECTIONS FOR ALL HVAC EQUIPMENT AS REQUIRED. REFER TO THE MECHANICAL SCHEDULES FOR EXACT INTERLOCKING INFORMATION. THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL HVAC EQUIPMENT, ETC. PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING SITE SWITCHES PRIOR TO INSTALLATION.
- ALL DISCONNECTS FOR MECHANICAL UNITS ARE TO BE MOUNTED SECURELY TO THE FLOOR/STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL UNISTRUT AND MOUNTING HARDWARE AS REQUIRED TO MOUNT THE DISCONNECTS.
- THE ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT RECEPTACLE TYPE AND VOLTAGE FOR ALL EQUIPMENT WITH THE RESPECTIVE EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
- CENTER LIGHTS, OUTLETS, DEVICES ON LENGTHS OF WALLS OR BETWEEN WINDOWS.
- STACK DEVICES, OUTLETS AND SWITCHES WHENEVER POSSIBLE.
- SWITCHES, OUTLETS AND DEVICES SHALL BE CLEAR OF DOOR SWINGS.
- ALL EXPOSED WORK IS TO BE RUN NEATLY IN EMT CONDUIT; PARALLEL AND PERPENDICULAR TO THE COLUMN LINES.
- ALL ELECTRICAL PANELS, LIGHT FIXTURES AND DEVICES ARE TO BE MOUNTED SECURELY TO THE FLOOR/STRUCTURE. THE ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL MOUNTING HARDWARE AS REQUIRED TO MOUNT THE EQUIPMENT.
- ALL EXPOSED WORK IS TO BE RUN NEATLY IN RIGID CONDUIT; PARALLEL AND PERPENDICULAR TO THE COLUMN LINES. OUTLETS AND SWITCHES ARE TO BE SURFACE MOUNTED IN AN INDUSTRIAL BOX WITH RAISED COVERPLATE.
- ALL ALARM, SECURITY AND TELEPHONE WIRING IS TO BE MAINTAINED AND SECURED - ASSOCIATED WORK IS BY OWNER ONLY.

NO.	REVISION	DATE

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CONSTRUCTION DOCUMENTS

Job Number:
Project: ARLINGTON RES.
Drawn By: RB Checked By: AP
Date: NOVEMBER 10, 2020
Scale:
Drawing Title:

Bathhouse
Electrical Plan
Sheet Name
Demo & New Work

